

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027189.D
 Acq On : 26 Sep 2018 20:07
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 9/27/2018 3:33:23 PM

Quant Time: Sep 27 05:38:57 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	4.99	168	74366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	125714	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	122568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	66864	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	82325	55.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.00%	
35) Dibromofluoromethane	4.88	113	58602	53.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.56%	
50) Toluene-d8	7.57	98	220180	53.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.04%	
62) 4-Bromofluorobenzene	10.31	95	80217	56.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	40666	41.883	ug/l	99
3) Chloromethane	1.33	50	64139	38.314	ug/l	99
4) Vinyl Chloride	1.40	62	67401	43.134	ug/l	98
5) Bromomethane	1.61	94	38213	42.943	ug/l	98
6) Chloroethane	1.69	64	45533	45.605	ug/l	97
7) Trichlorofluoromethane	1.88	101	80386	45.294	ug/l	99
8) Diethyl Ether	2.10	74	40687	47.629	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.28	101	51732	47.406	ug/l	99
10) Methyl Iodide	2.41	142	29730	21.967	ug/l	98
11) Tert butyl alcohol	2.83	59	96247	280.552	ug/l	97
12) 1,1-Dichloroethene	2.28	96	46900	45.662	ug/l	98
13) Acrolein	2.19	56	55784	301.643	ug/l	100
14) Allyl chloride	2.59	41	113236	54.356	ug/l	96
15) Acrylonitrile	2.94	53	248240	287.098	ug/l	99
16) Acetone	2.32	43	221338	280.412	ug/l	98
17) Carbon Disulfide	2.48	76	132690m	39.657	ug/l	
18) Methyl Acetate	2.62	43	133387	62.613	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	209496	55.505	ug/l	99
20) Methylene Chloride	2.70	84	63132	47.098	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	52661	48.022	ug/l	99
22) Diisopropyl ether	3.58	45	260625	58.491	ug/l	95
23) Vinyl Acetate	3.52	43	1111704	292.690	ug/l	99
24) 1,1-Dichloroethane	3.45	63	129243	52.664	ug/l	99
25) 2-Butanone	4.26	43	361286	287.227	ug/l	99
26) 2,2-Dichloropropane	4.23	77	92938	48.560	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	63383	51.180	ug/l	96
28) Bromochloromethane	4.55	49	70353	59.471	ug/l	95
29) Tetrahydrofuran	4.64	42	230416	302.817	ug/l	96
30) Chloroform	4.67	83	118139	51.861	ug/l	98
31) Cyclohexane	5.00	56	103930	46.549	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	94896	52.175	ug/l	98
36) 1,1-Dichloropropene	5.14	75	81450	48.546	ug/l	99
37) Ethyl Acetate	4.38	43	129950	57.214	ug/l	99
38) Carbon Tetrachloride	5.13	117	78425	49.119	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	90667	49.727	ug/l	98
40) Benzene	5.39	78	250571	49.127	ug/l	99
41) Methacrylonitrile	4.54	41	74098	62.817	ug/l	97
42) 1,2-Dichloroethane	5.40	62	101856	52.856	ug/l	99
43) Isopropyl Acetate	5.55	43	198607	59.959	ug/l	98
44) Trichloroethene	6.19	130	53891	49.631	ug/l	99
45) 1,2-Dichloropropane	6.43	63	77891	53.596	ug/l	99
46) Dibromomethane	6.56	93	45042	51.317	ug/l	98
47) Bromodichloromethane	6.76	83	94098	53.019	ug/l	98
48) Methyl methacrylate	6.62	41	99002	54.814	ug/l	99
49) 1,4-Dioxane	6.61	88	33874	945.992	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	691732	310.501	ug/l	99
52) Toluene	7.64	92	152831	52.275	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	106308	55.750	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	114832	54.769	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	65212	52.641	ug/l	98
56) Ethyl methacrylate	8.02	69	113341	52.611	ug/l	97
57) 1,3-Dichloropropane	8.24	76	124737	54.138	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	325971	266.887	ug/l	99
59) 2-Hexanone	8.36	43	532423	305.311	ug/l	99
60) Dibromochloromethane	8.48	129	65983	54.301	ug/l	98
61) 1,2-Dibromoethane	8.59	107	67133	52.084	ug/l	99
64) Tetrachloroethene	8.23	164	45343	48.009	ug/l	97
65) Chlorobenzene	9.12	112	159914	49.206	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	60301	53.870	ug/l	98
67) Ethyl Benzene	9.25	91	287281	53.757	ug/l	100
68) m/p-Xylenes	9.38	106	214054	98.919	ug/l	98
69) o-Xylene	9.78	106	104378	55.125	ug/l	99
70) Styrene	9.79	104	176478	49.920	ug/l	100
71) Bromoform	9.96	173	48745	56.312	ug/l #	98
73) Isopropylbenzene	10.17	105	283638	55.765	ug/l	100
74) N-amyl acetate	10.02	43	180475	61.299	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	120695	51.611	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	115294m	56.758	ug/l	
77) Bromobenzene	10.45	156	64327	51.755	ug/l	94
78) n-propylbenzene	10.59	91	344011	57.161	ug/l	99
79) 2-Chlorotoluene	10.66	91	206870	54.724	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	238636	56.837	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	31327m	49.353	ug/l	
82) 4-Chlorotoluene	10.77	91	236671	55.836	ug/l	98
83) tert-Butylbenzene	11.10	119	227981	54.922	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	243692	57.032	ug/l	99
85) sec-Butylbenzene	11.32	105	284728	56.192	ug/l	100
86) p-Isopropyltoluene	11.48	119	243981	51.290	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	120809	52.232	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	121591	48.235	ug/l	98
89) n-Butylbenzene	11.89	91	229273	49.756	ug/l	99
90) Hexachloroethane	12.15	117	46173	50.110	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	123367	50.212	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	27395	57.423	ug/l	98

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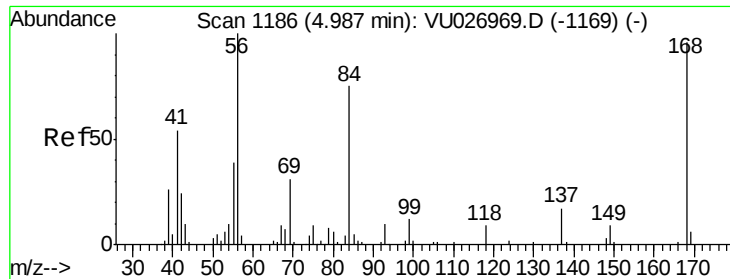
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	78657	55.555	ug/l	100
94) Hexachlorobutadiene	13.69	225	38900	51.926	ug/l	99
95) Naphthalene	13.74	128	287604	51.889	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	84452	55.622	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027189.D

Acq: 26 Sep 2018 20:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 74366

Ion Ratio Lower Upper

168 100

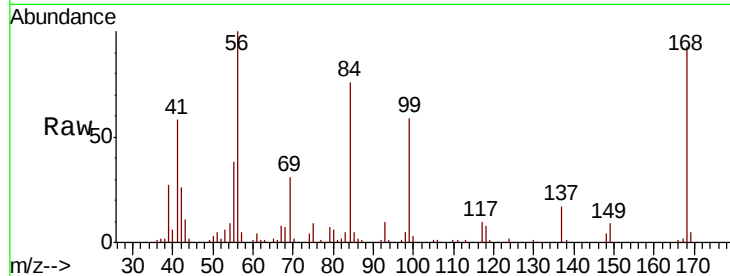
99 62.0 48.1 72.1

Manual Integrations

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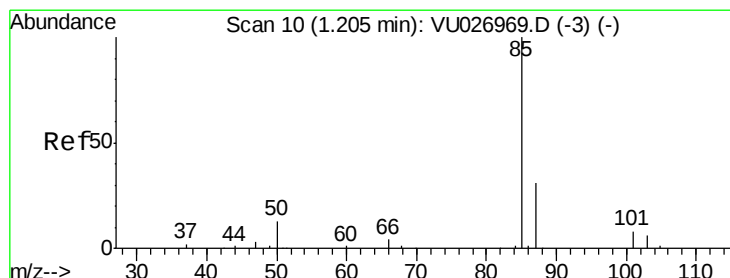
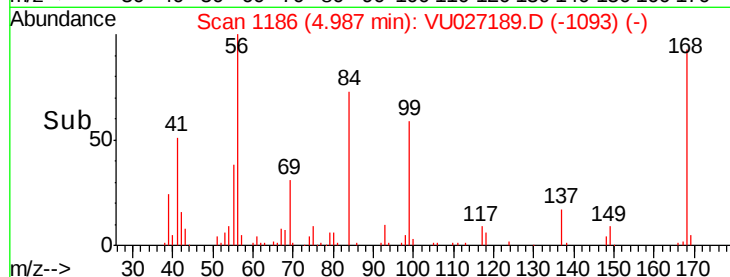
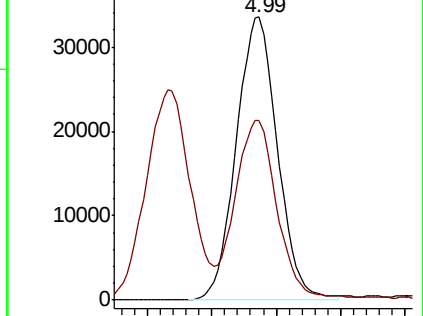
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 41.883 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027189.D

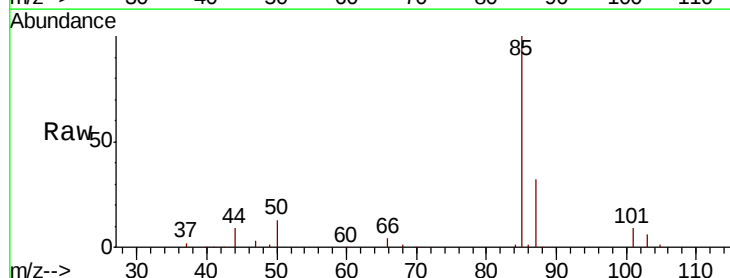
Acq: 26 Sep 2018 20:07

Tgt Ion: 85 Resp: 40666

Ion Ratio Lower Upper

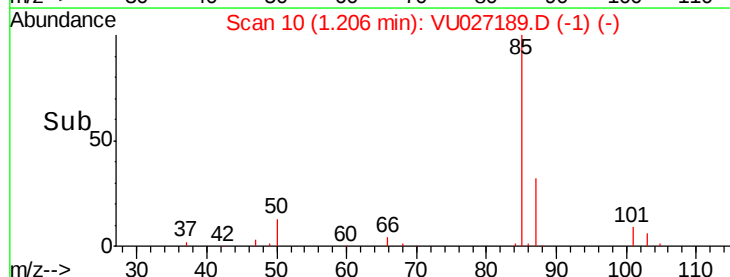
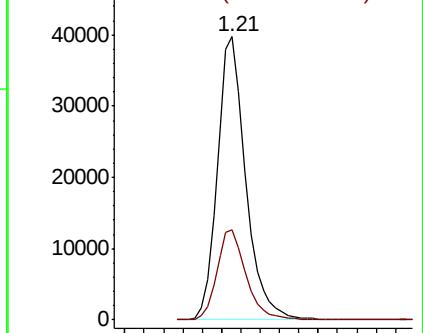
85 100

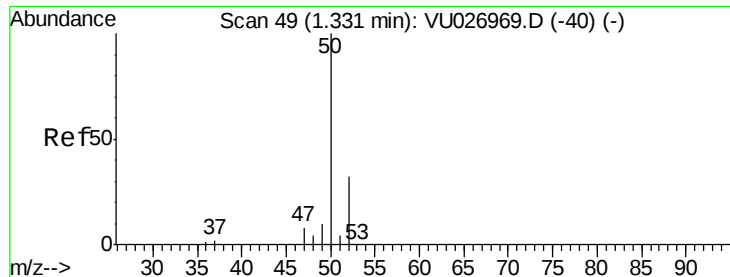
87 31.8 15.6 46.7



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 38.314 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027189.D

Acq: 26 Sep 2018 20:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 64139

Ion Ratio Lower Upper

50 100

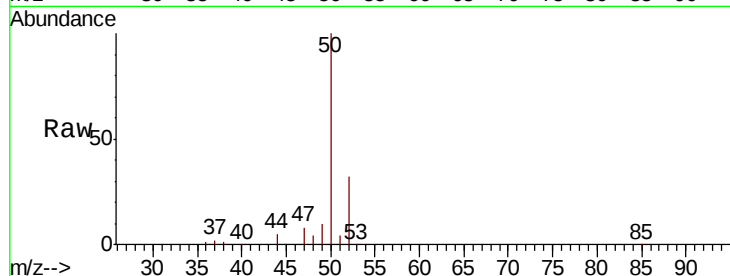
52 32.1 25.9 38.9

Manual Integrations

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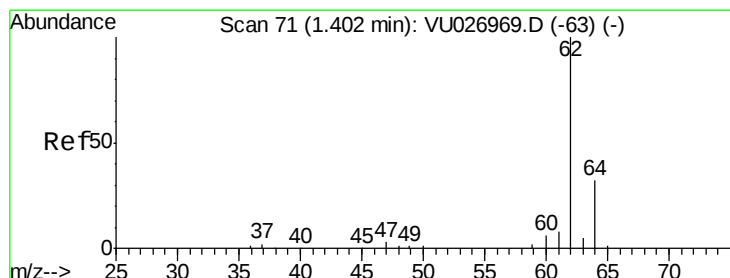
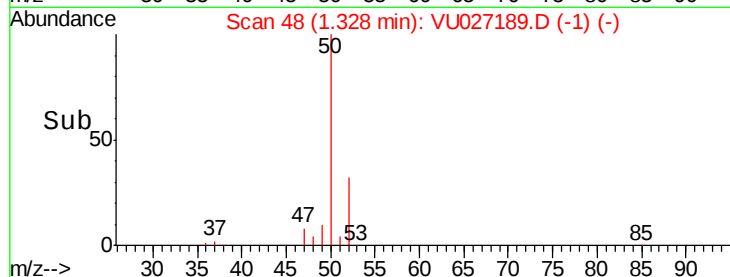
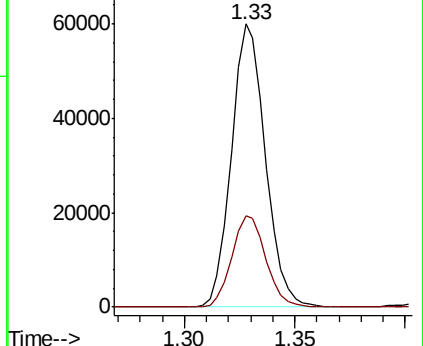
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 43.134 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027189.D

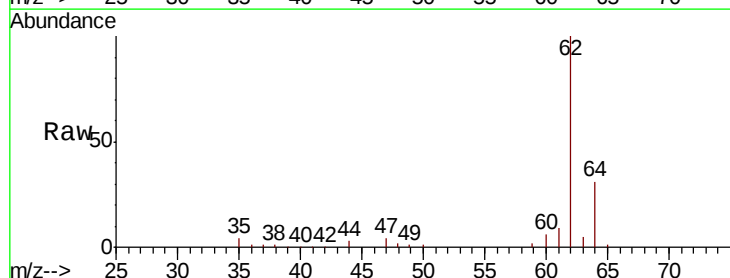
Acq: 26 Sep 2018 20:07

Tgt Ion: 62 Resp: 67401

Ion Ratio Lower Upper

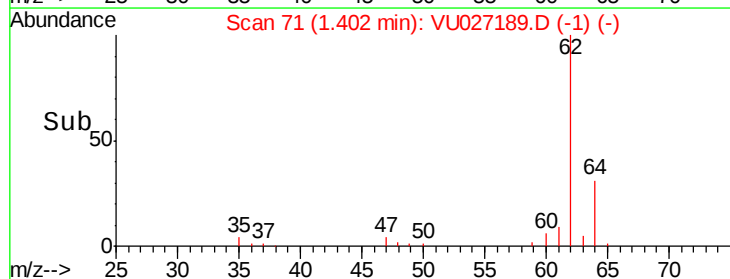
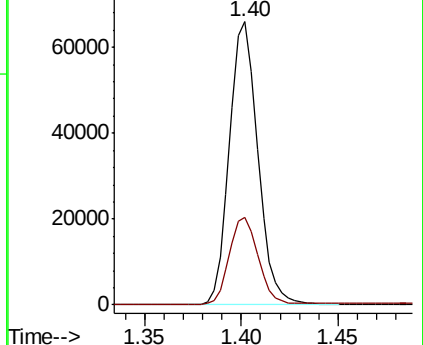
62 100

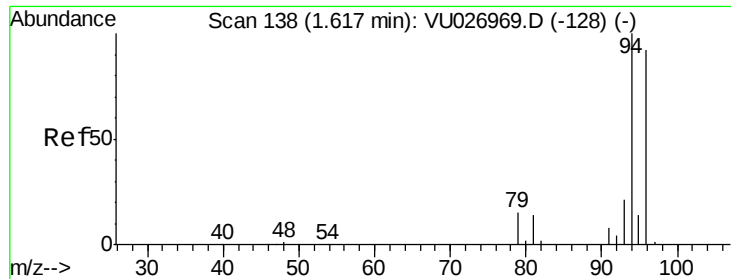
64 31.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 42.943 ug/l

RT: 1.61 min Scan# 136

Delta R.T. -0.01 min

Lab File: VU027189.D

Acq: 26 Sep 2018 20:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 38213

Ion Ratio Lower Upper

94 100

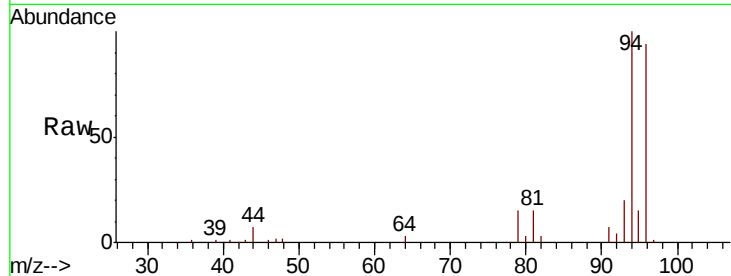
96 93.6 73.2 109.8

Manual Integrations

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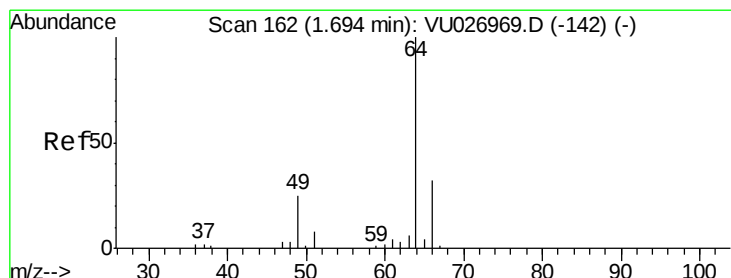
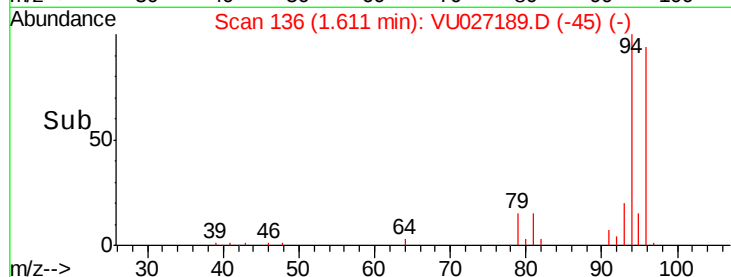
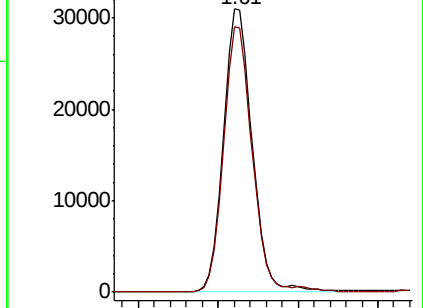
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Abundance Ion 93.90 (93.60 to 94.60): VU027189.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU027189.D (-128) (-)



#6

Chloroethane

Concen: 45.605 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU027189.D

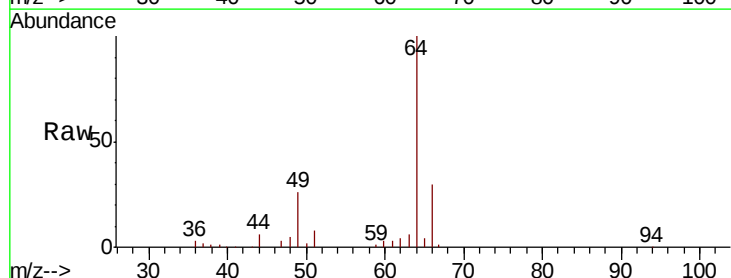
Acq: 26 Sep 2018 20:07

Tgt Ion: 64 Resp: 45533

Ion Ratio Lower Upper

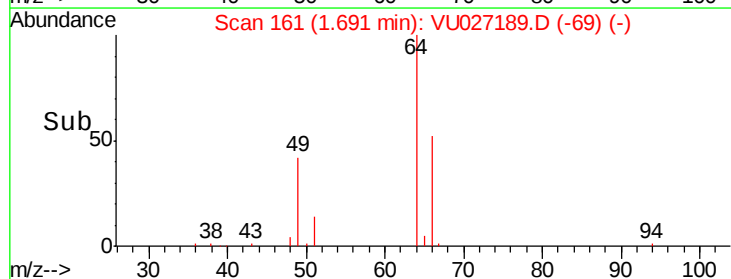
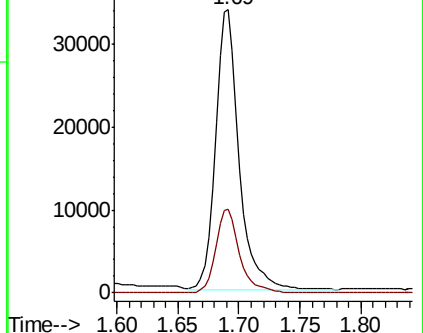
64 100

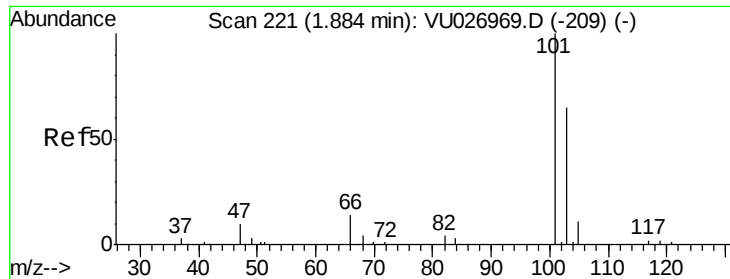
66 30.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU027189.D (-142) (-)

Ion 65.90 (65.60 to 66.60): VU027189.D (-142) (-)





#7

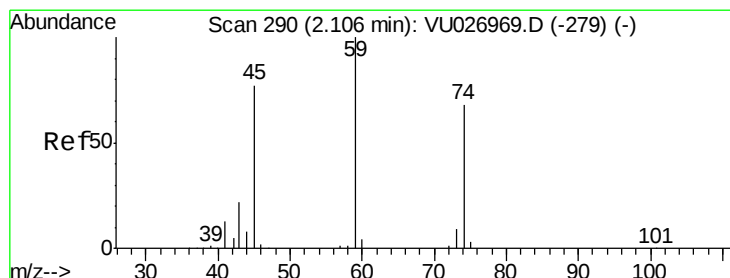
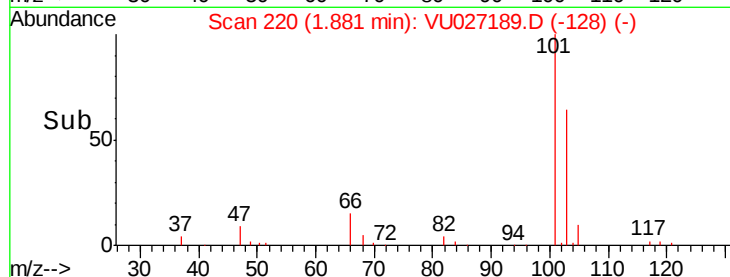
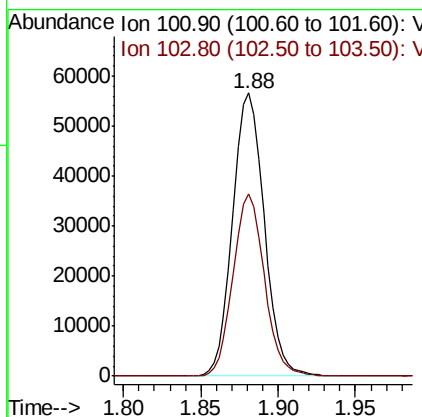
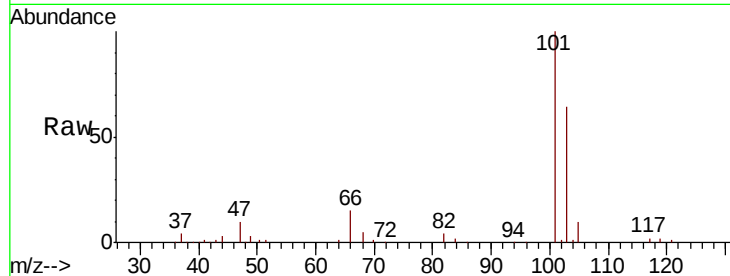
Trichlorofluoromethane
 Concen: 45.294 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VU027189.D
 Acq: 26 Sep 2018 20:07

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.2	78.2

Manual Integrations
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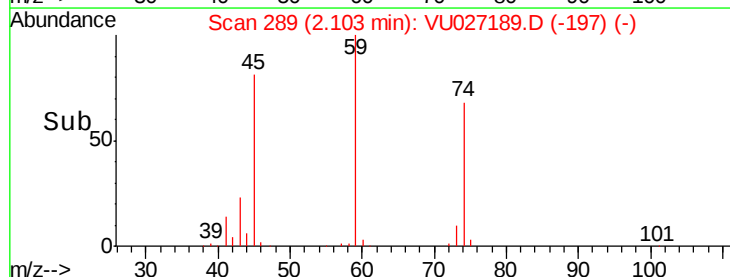
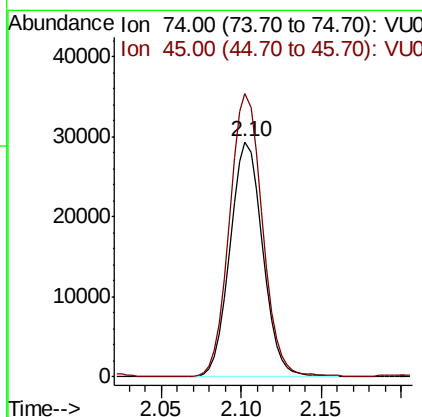
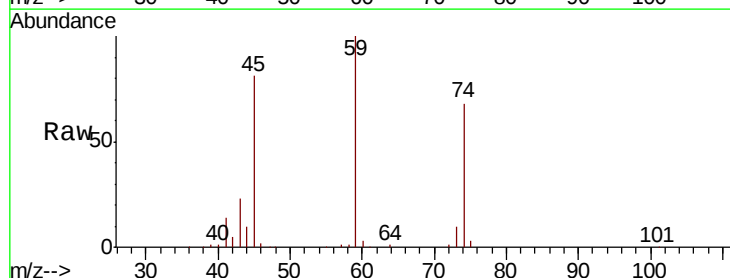
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#8

Diethyl Ether
 Concen: 47.629 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU027189.D
 Acq: 26 Sep 2018 20:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	122.0	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.406 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU027189.D

Acq: 26 Sep 2018 20:07

Instrument :

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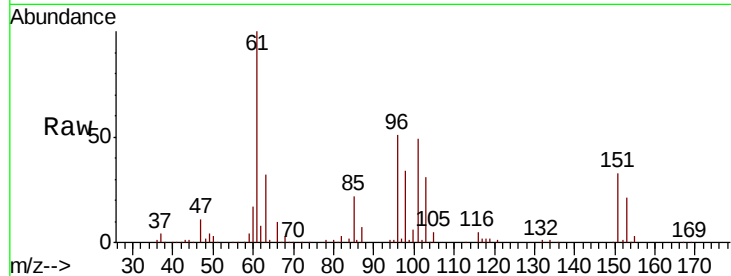
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VSTDCCC050

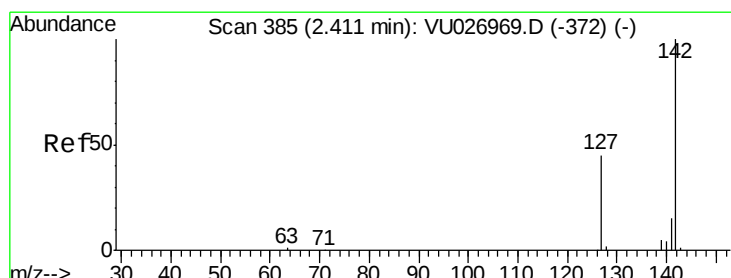
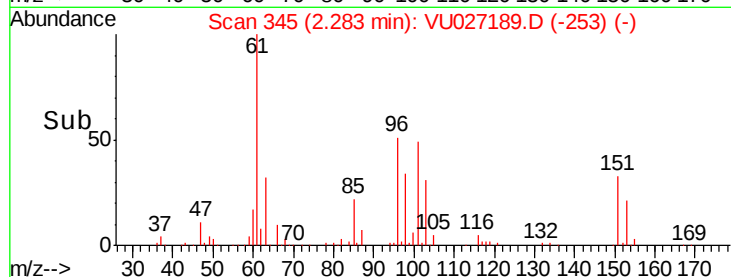
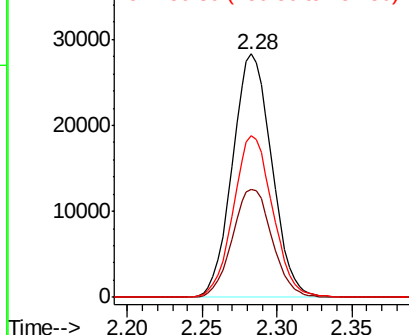
Tot Ion:	101	Resp:	51732
Ion Ratio	Lower	Upper	
101	100		
85	44.9	36.2	54.2
151	66.6	54.5	81.7

Manual Integrations
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MMDadoda
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VU0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.967 ug/l

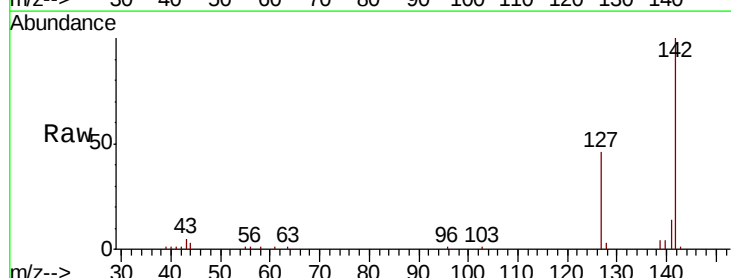
RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

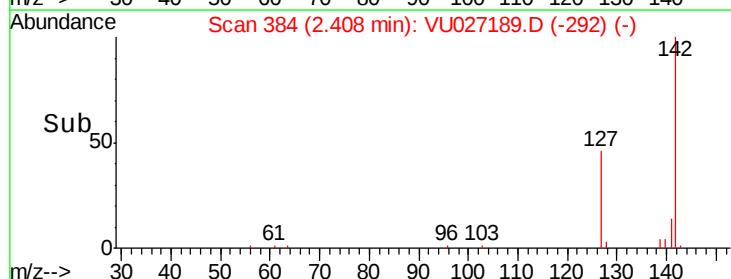
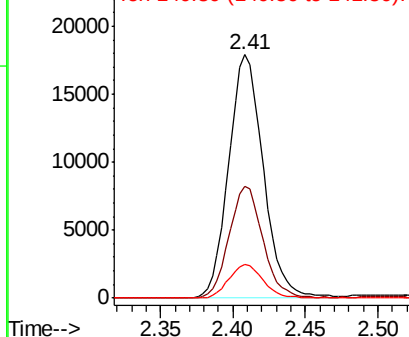
Lab File: VU027189.D

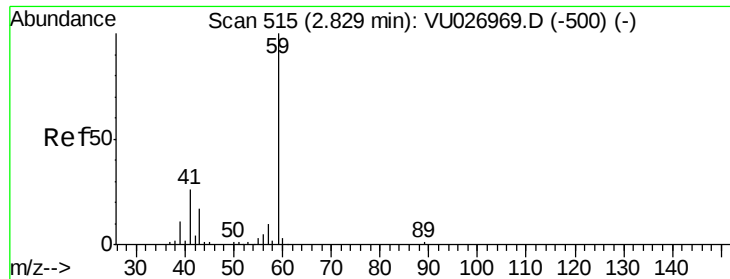
Acq: 26 Sep 2018 20:07

Tgt Ion:	142	Resp:	29730
Ion Ratio	Lower	Upper	
142	100		
127	44.6	36.7	55.1
141	13.6	11.8	17.6



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





#11

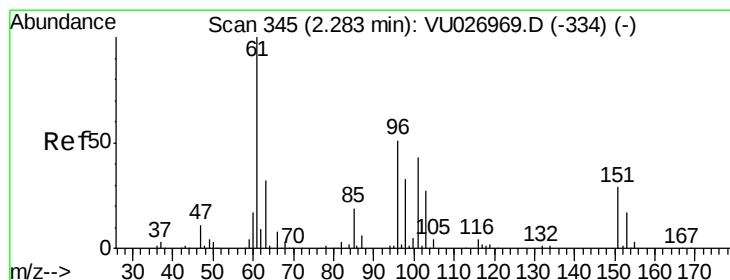
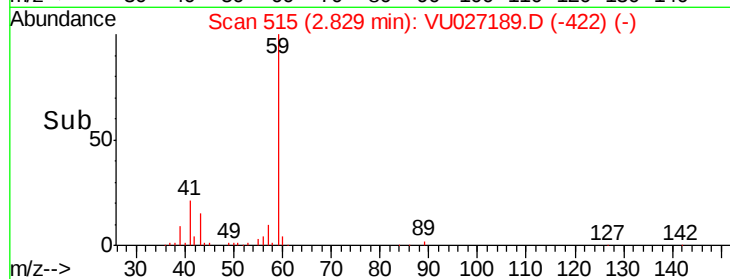
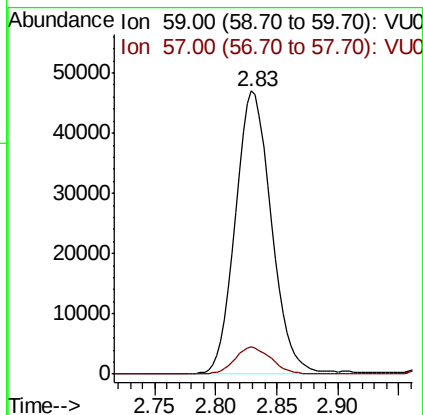
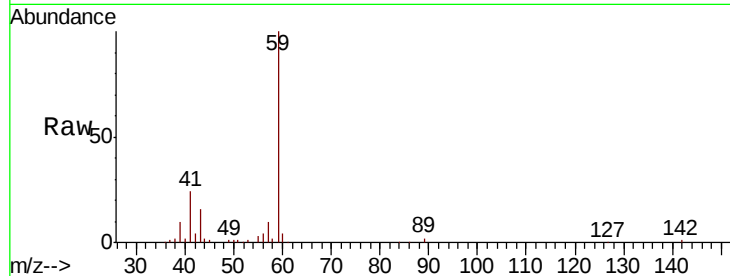
Tert butyl alcohol
 Concen: 280.552 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.00 min
 Lab File: VU027189.D
 Acq: 26 Sep 2018 20:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.5	12.7

Manual Integrations
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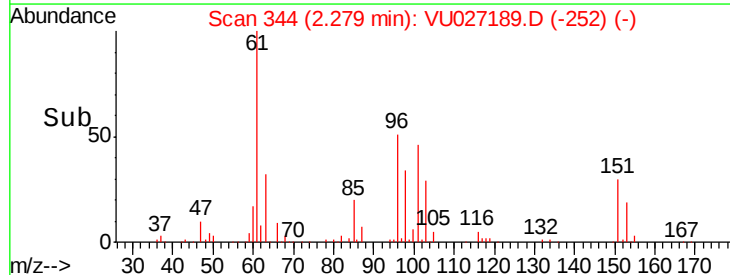
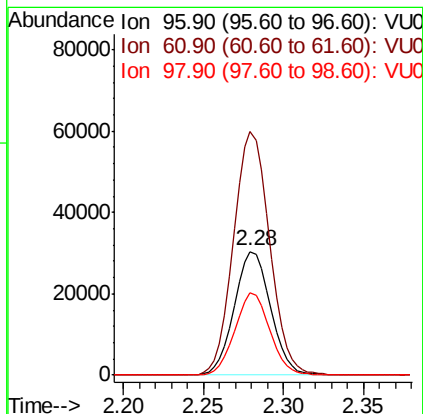
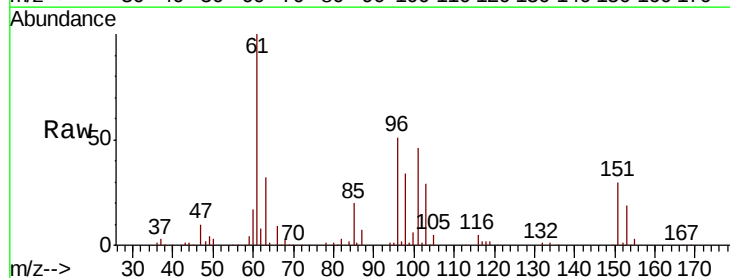
MMDadoda
 9/27/2018 3:33:23 PM

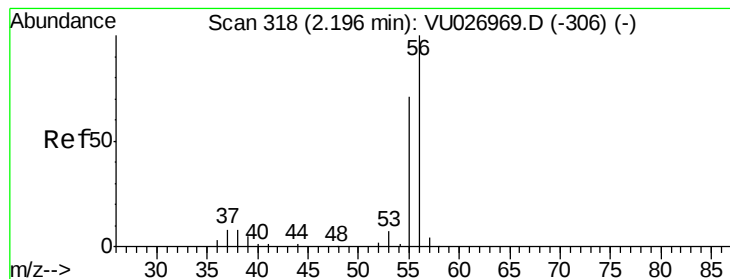


#12

1,1-Dichloroethene
 Concen: 45.662 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.00 min
 Lab File: VU027189.D
 Acq: 26 Sep 2018 20:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	197.5	156.1	234.1
98	66.3	51.4	77.0





#13

Acrolein

Concen: 301.643 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU027189.D

Acq: 26 Sep 2018 20:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 55784

Ion Ratio Lower Upper

56 100

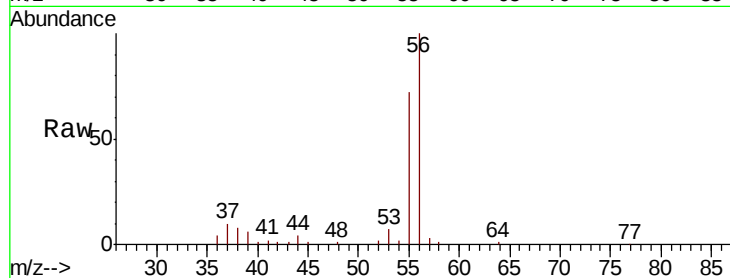
55 71.3 57.1 85.7

Manual Integrations

APPROVED

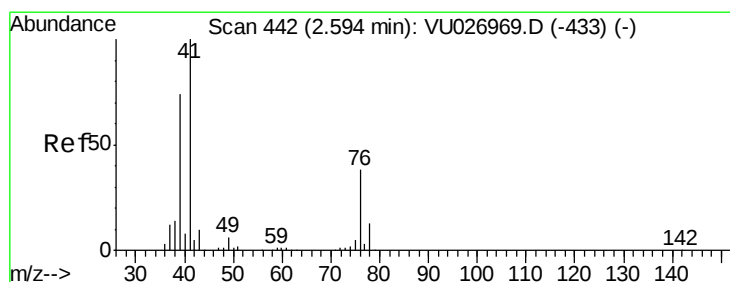
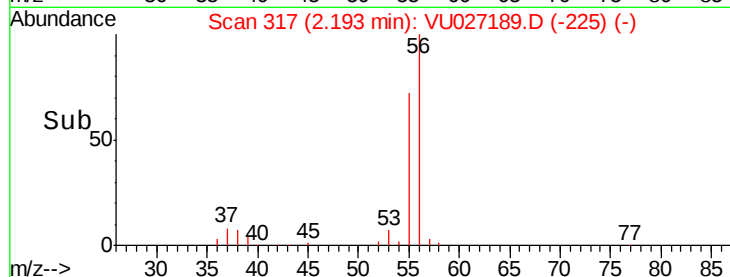
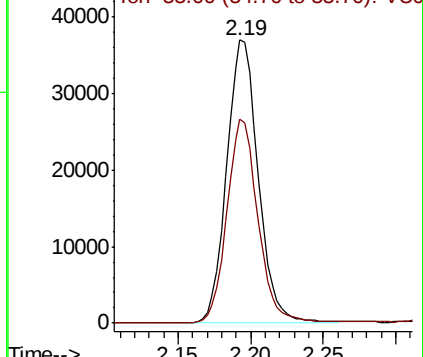
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 54.356 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027189.D

Acq: 26 Sep 2018 20:07

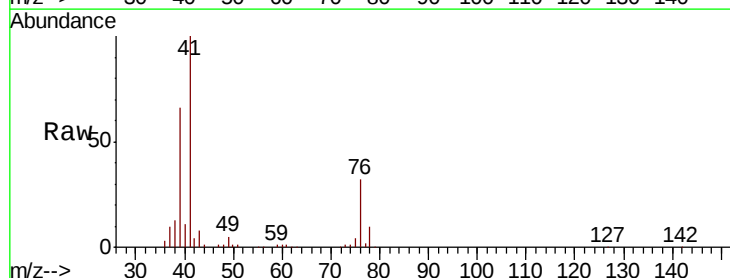
Tgt Ion: 41 Resp: 113236

Ion Ratio Lower Upper

41 100

39 65.7 55.7 83.5

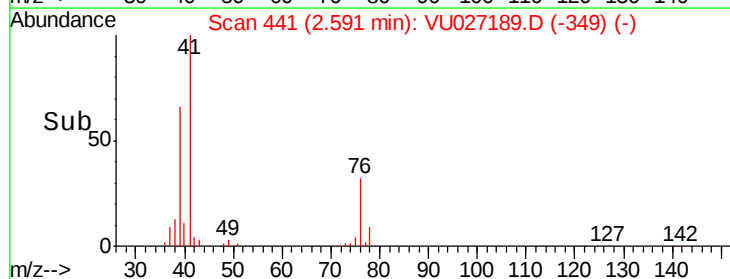
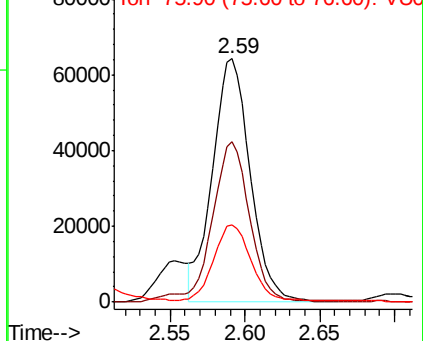
76 31.4 26.5 39.7

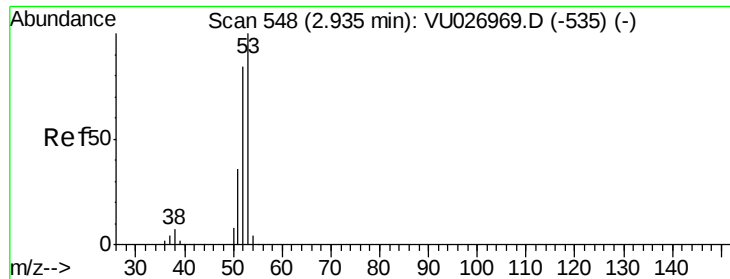


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 287.098 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027189.D

Acq: 26 Sep 2018 20:07

Instrument :

MSVOA_U

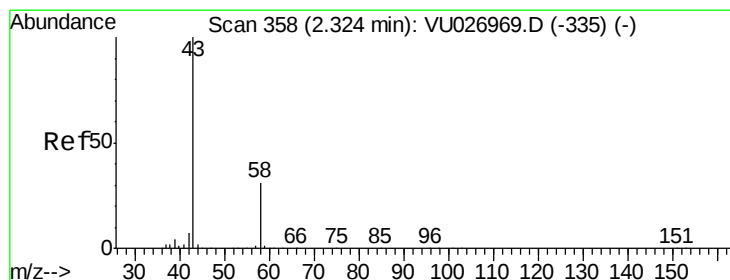
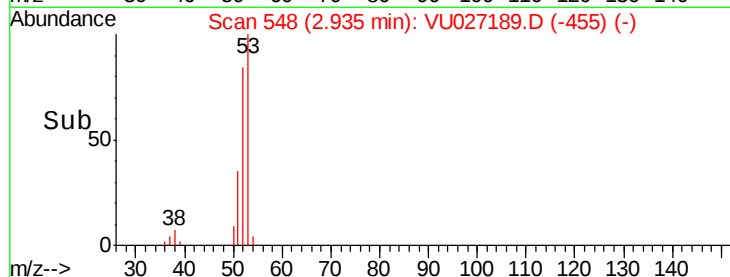
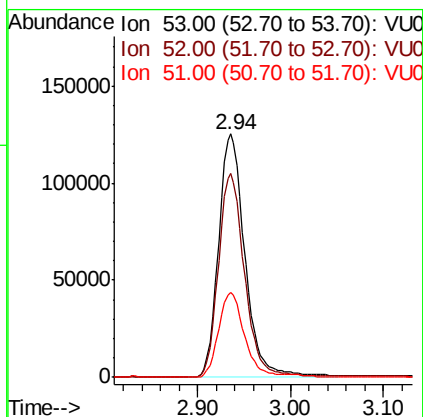
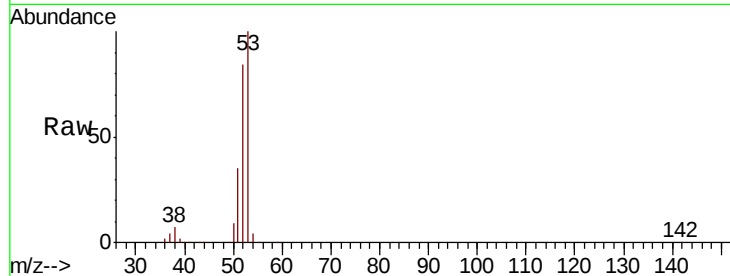
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	248240
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.7	98.5
51	33.9	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 280.412 ug/l

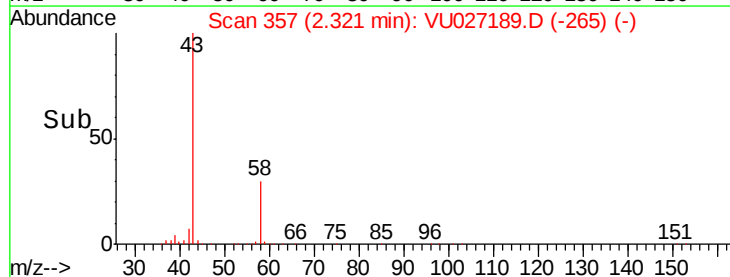
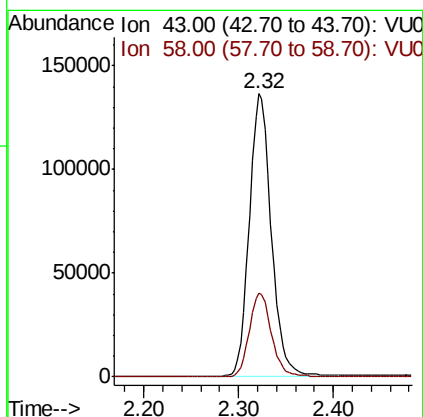
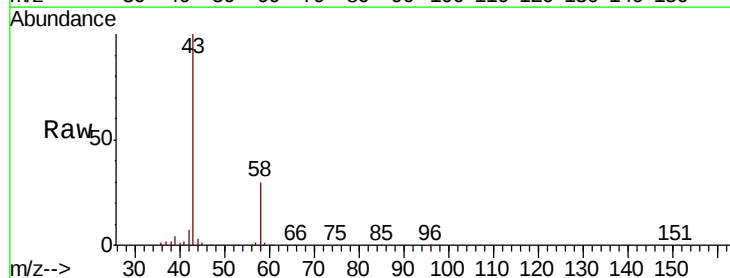
RT: 2.32 min Scan# 357

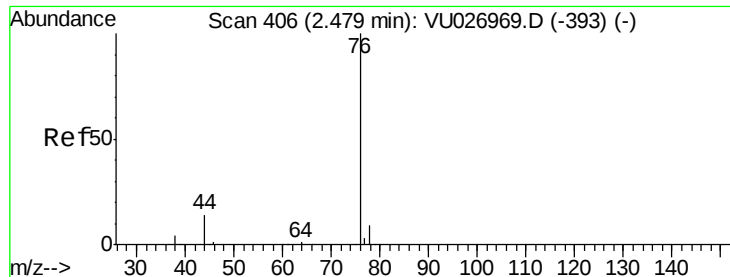
Delta R.T. -0.00 min

Lab File: VU027189.D

Acq: 26 Sep 2018 20:07

Tgt Ion:	43	Resp:	221338
Ion	Ratio	Lower	Upper
43	100		
58	29.6	24.6	36.8





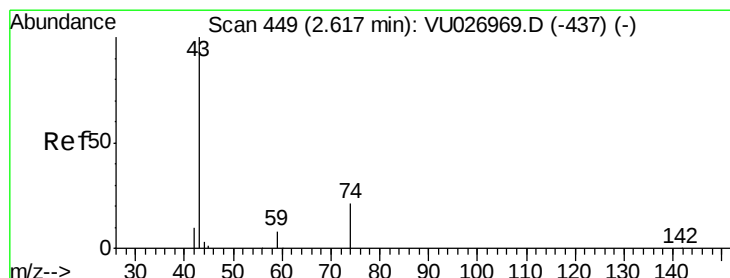
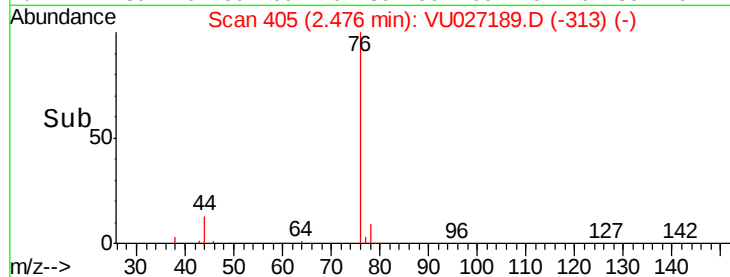
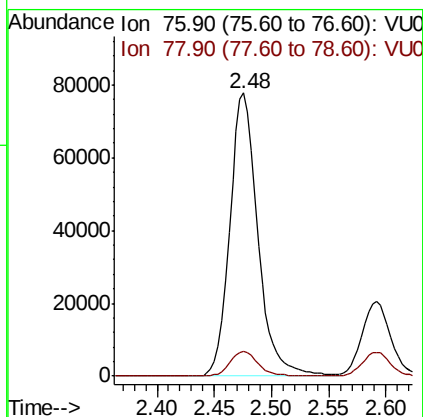
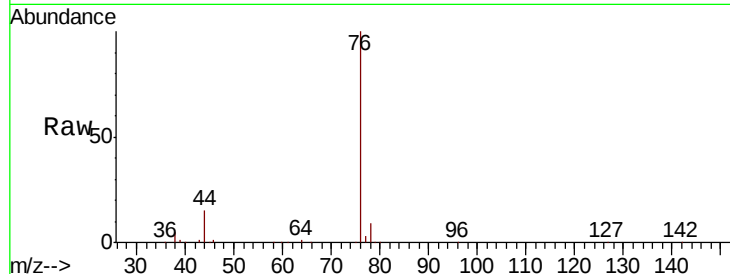
#17
Carbon Disulfide
Concen: 39.657 ug/l m
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.1	10.7

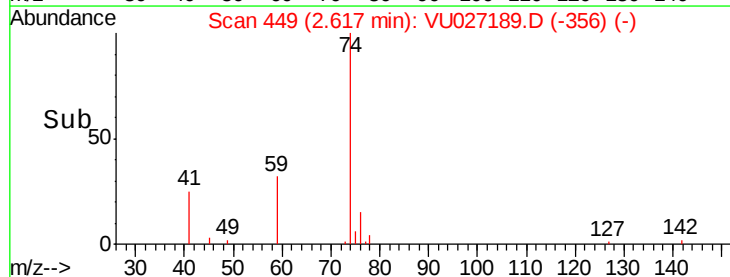
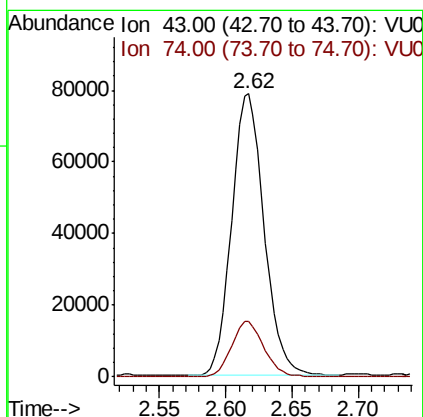
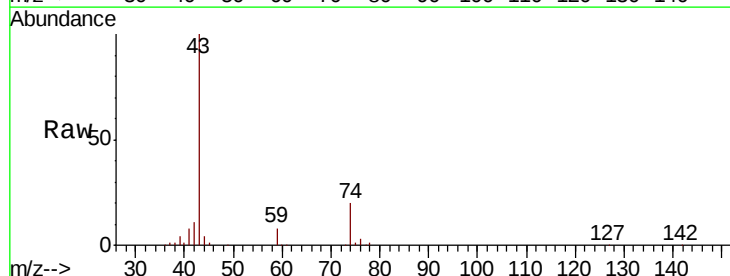
Manual Integrations
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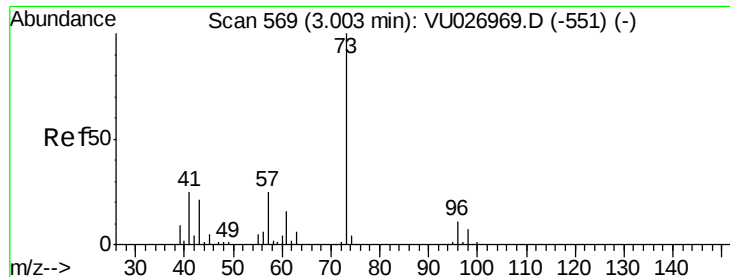
MMDadoda
9/27/2018 3:33:23 PM



#18
Methyl Acetate
Concen: 62.613 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.0	16.6	25.0





#19

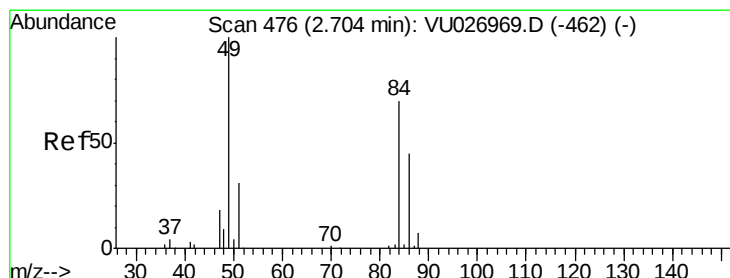
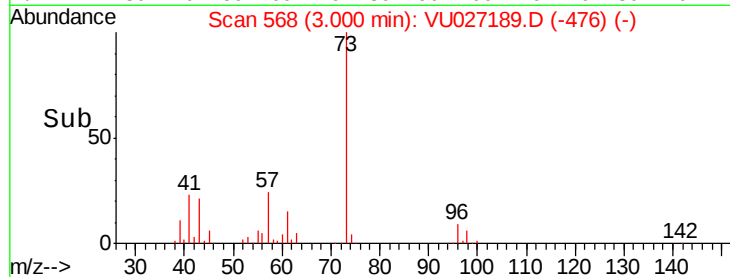
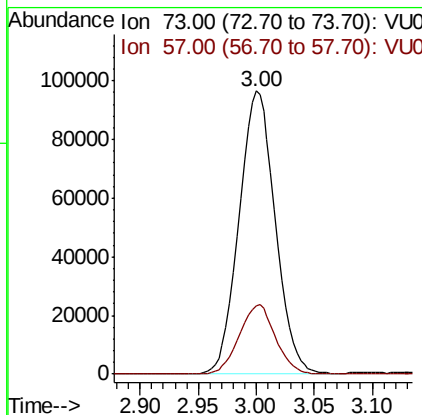
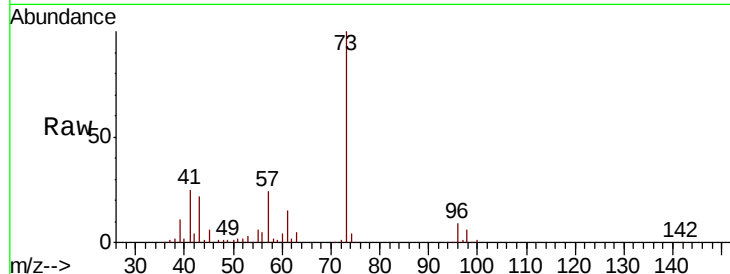
Methyl tert-butyl Ether
 Concen: 55.505 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VU027189.D
 Acq: 26 Sep 2018 20:07

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.2	19.8	29.6

Manual Integrations
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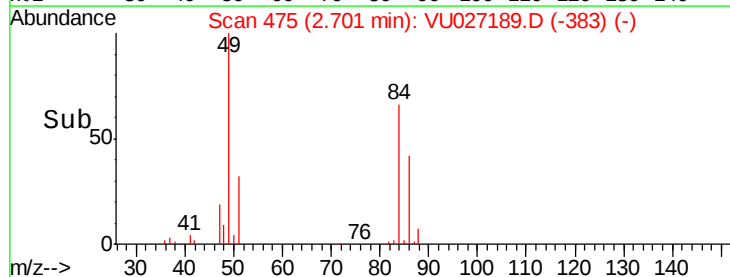
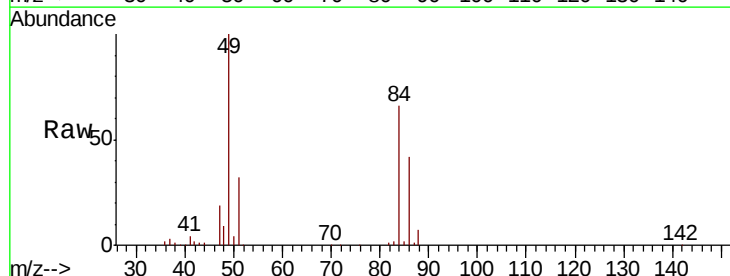
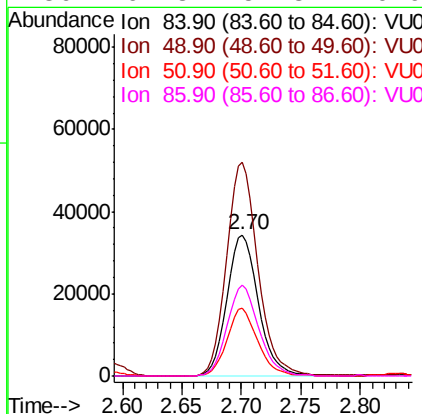
MMDadoda
 9/27/2018 3:33:23 PM

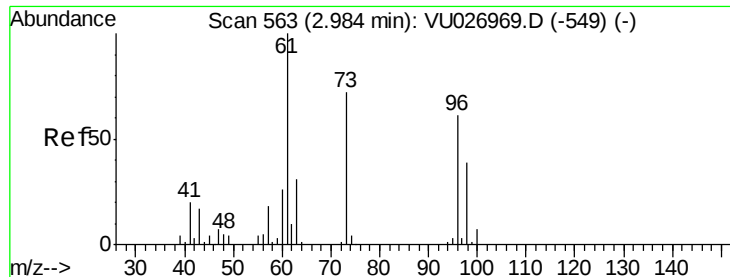


#20

Methylene Chloride
 Concen: 47.098 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. -0.00 min
 Lab File: VU027189.D
 Acq: 26 Sep 2018 20:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	151.3	114.9	172.3
51	47.7	35.8	53.8
86	64.3	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 48.022 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU027189.D

Acq: 26 Sep 2018 20:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 52661

Ion Ratio Lower Upper

96 100

61 165.1 131.8 197.6

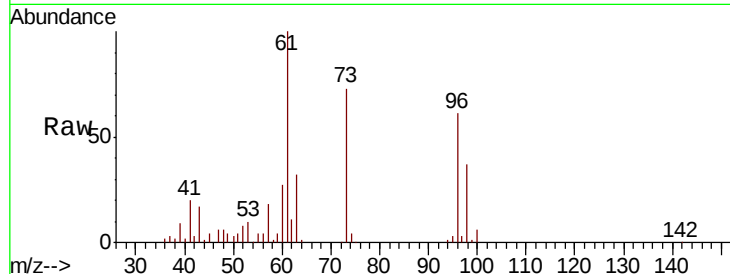
98 61.4 50.9 76.3

Manual Integrations

APPROVED

MMDadoda

9/27/2018 3:33:23 PM

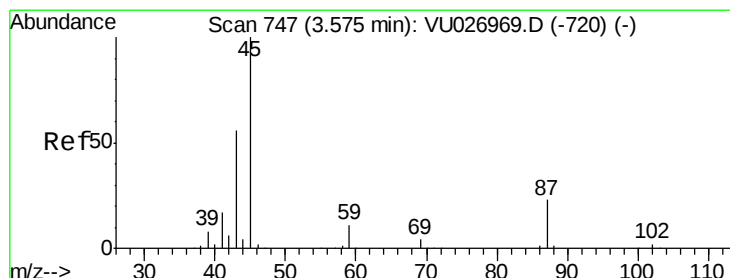
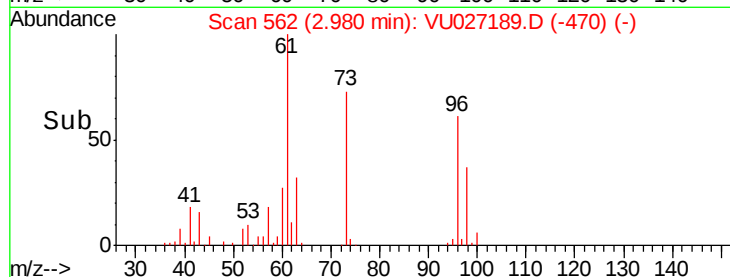
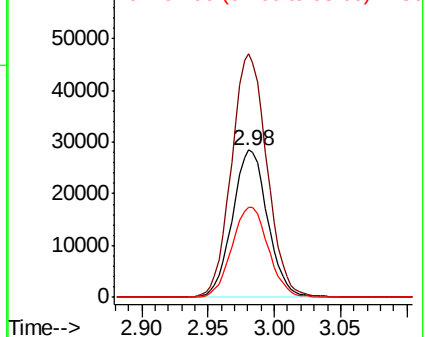


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 58.491 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

Lab File: VU027189.D

Acq: 26 Sep 2018 20:07

Tgt Ion: 45 Resp: 260625

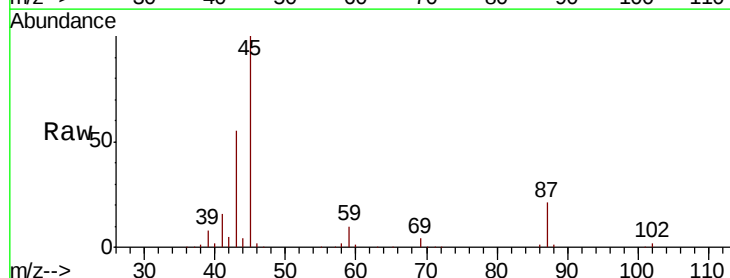
Ion Ratio Lower Upper

45 100

43 53.2 45.8 68.6

87 21.0 18.6 28.0

59 10.5 9.0 13.4



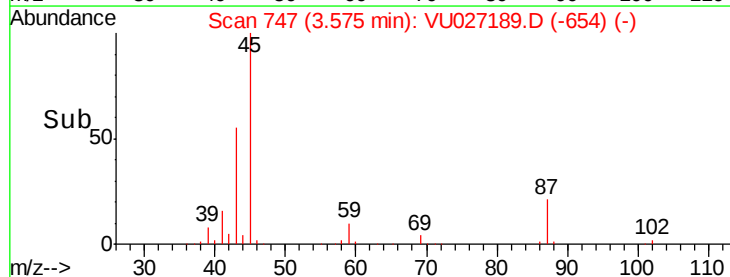
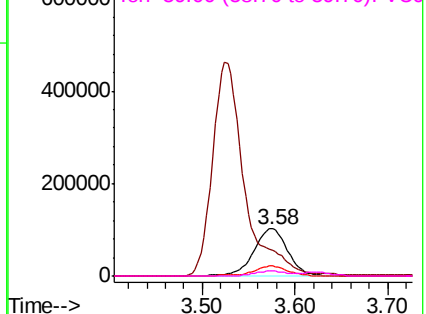
Abundance

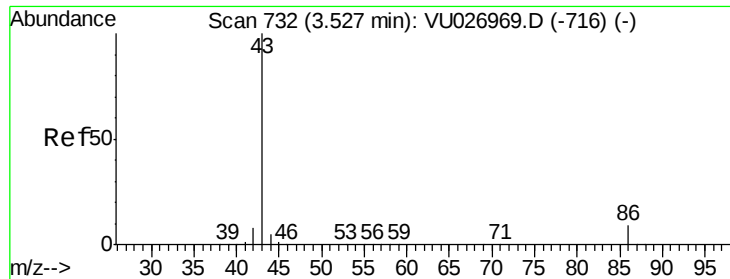
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 292.690 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU027189.D

Acq: 26 Sep 2018 20:07

Tot Ion: 43 Resp: 1111704

Ion Ratio Lower Upper

43 100

86 8.6 7.2 10.8

Instrument :

MSVOA_U

ClientSampleId :

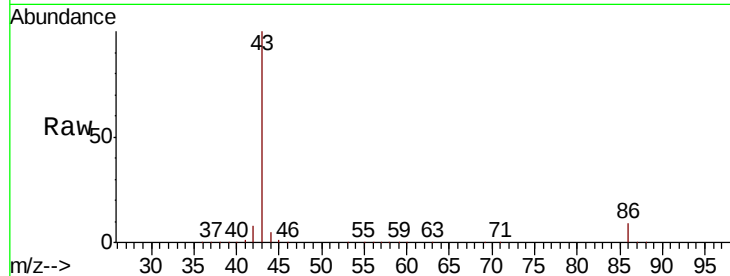
VSTDCCC050

Manual Integrations

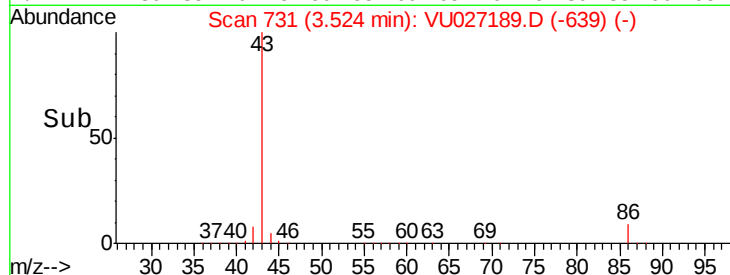
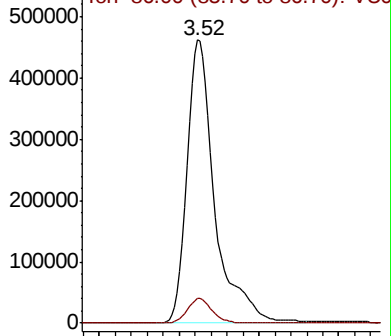
APPROVED

MMDadoda

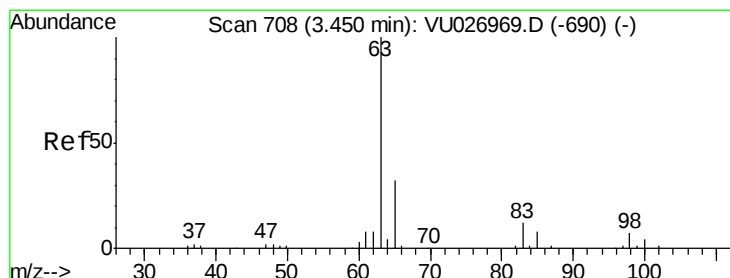
9/27/2018 3:33:23 PM



Abundance Ion 43.00 (42.70 to 43.70): VU027189.D (-639) (-)



Time-->



#24

1,1-Dichloroethane

Concen: 52.664 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027189.D

Acq: 26 Sep 2018 20:07

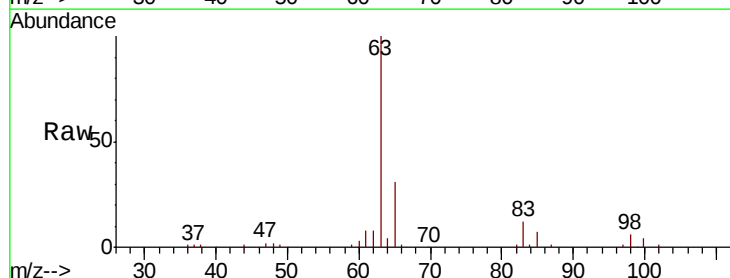
Tgt Ion: 63 Resp: 129243

Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.8

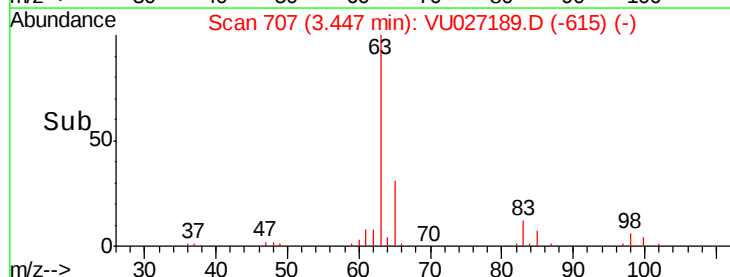
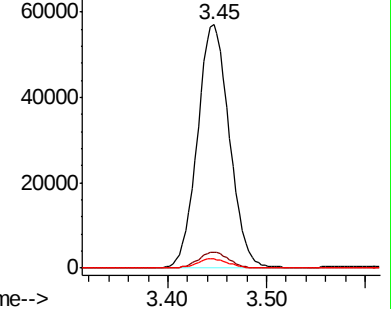
100 3.7 2.0 5.8



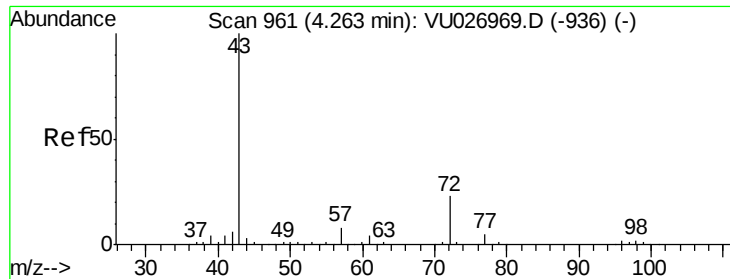
Abundance Ion 62.90 (62.60 to 63.60): VU027189.D (-615) (-)

Ion 97.90 (97.60 to 98.60): VU027189.D (-615) (-)

Ion 99.90 (99.60 to 100.60): VU027189.D (-615) (-)



Time-->



#25

2-Butanone

Concen: 287.227 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027189.D

Acq: 26 Sep 2018 20:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 361286

Ion Ratio Lower Upper

43 100

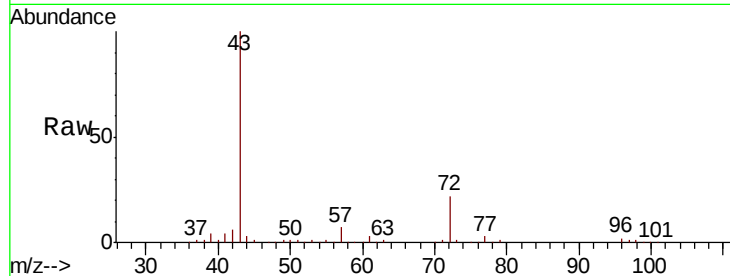
72 22.5 18.4 27.6

Manual Integrations

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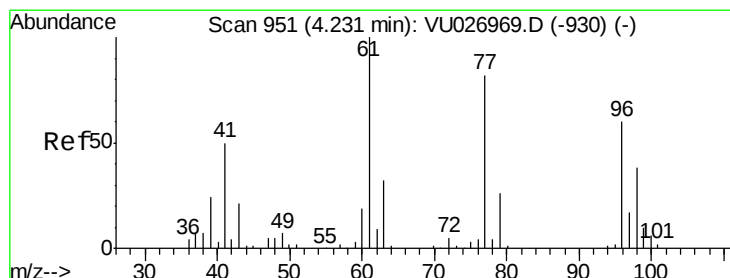
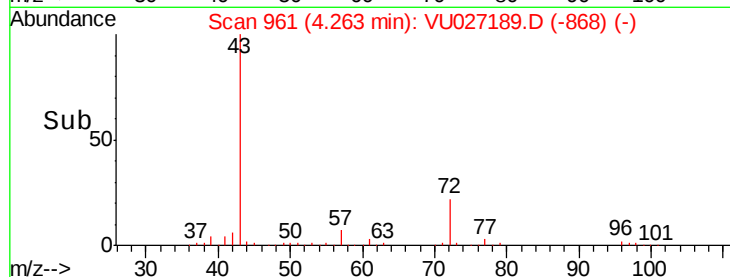
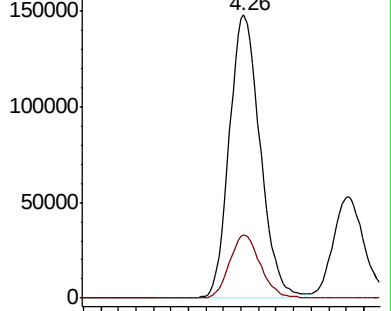
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 48.560 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027189.D

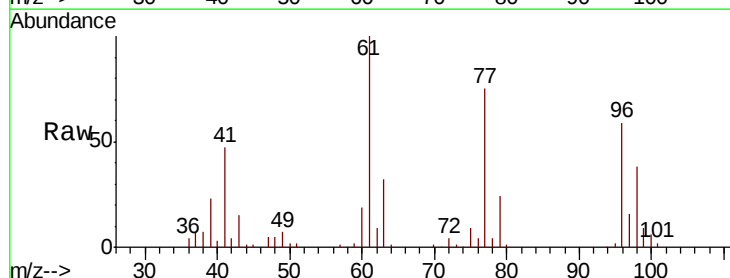
Acq: 26 Sep 2018 20:07

Tgt Ion: 77 Resp: 92938

Ion Ratio Lower Upper

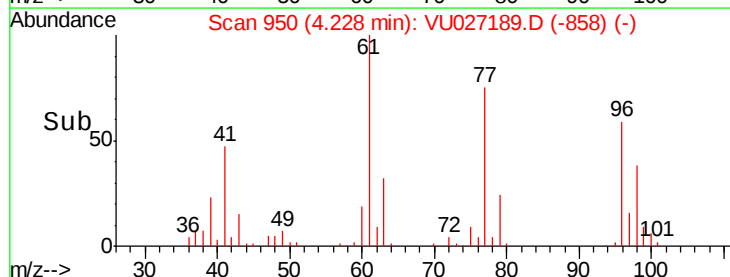
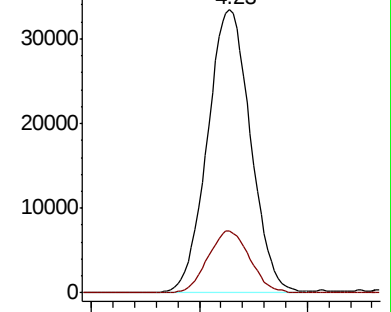
77 100

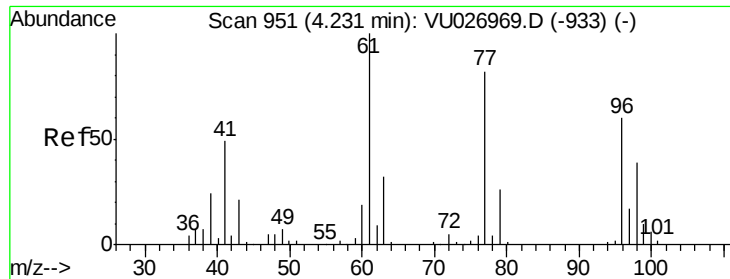
97 21.2 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

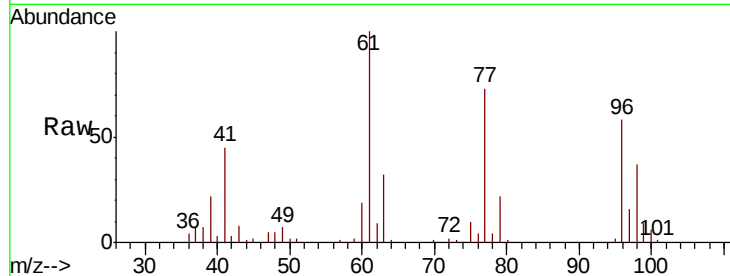
cis-1,2-Dichloroethene
 Concen: 51.180 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.01 min
 Lab File: VU027189.D
 Acq: 26 Sep 2018 20:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	175.2	0.0	337.2
98	65.2	0.0	127.6

Manual Integrations
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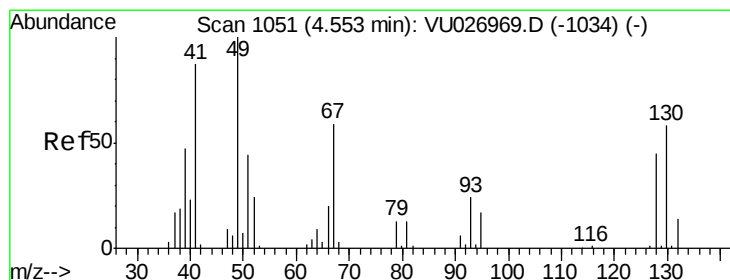
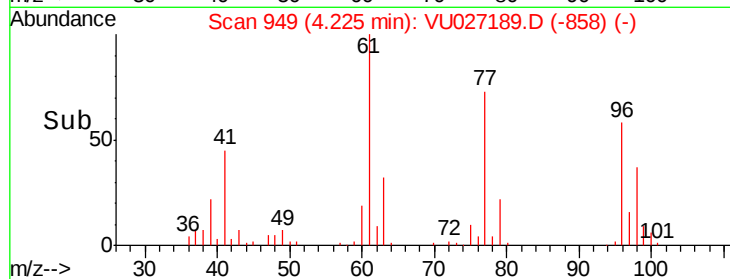
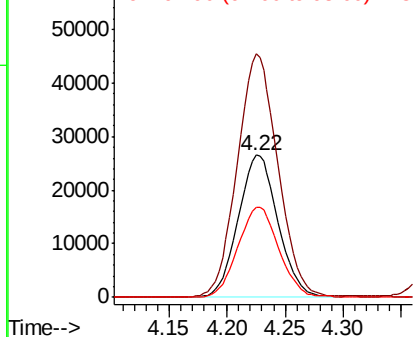


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

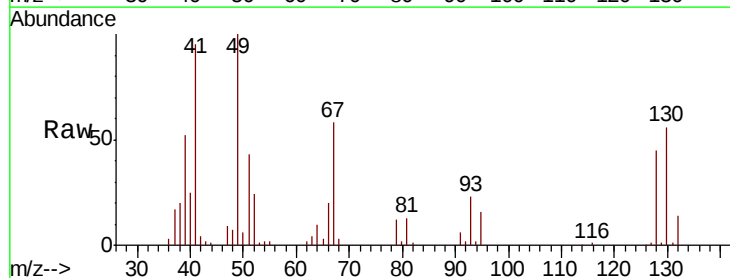
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
 Concen: 59.471 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027189.D
 Acq: 26 Sep 2018 20:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	55.7	47.8	71.8

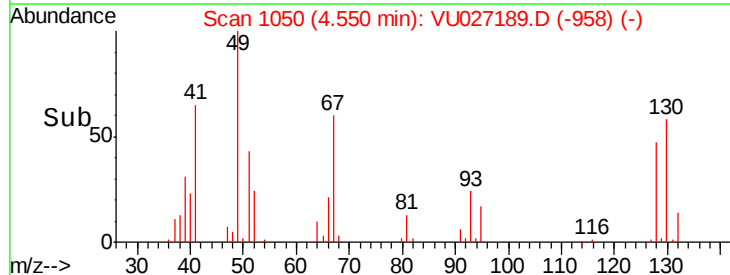
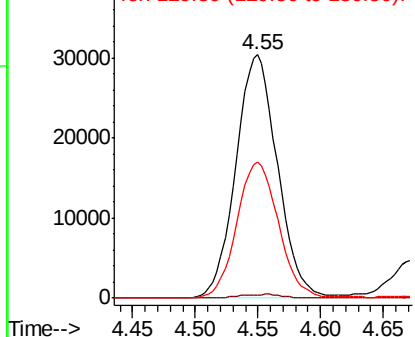


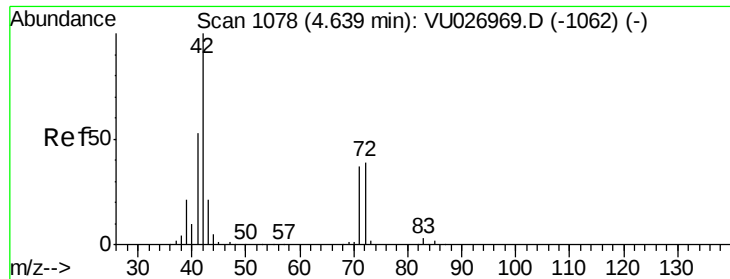
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





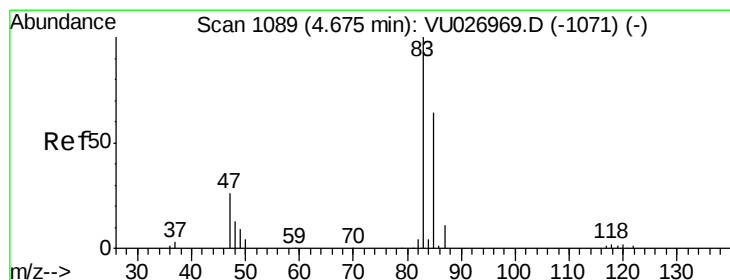
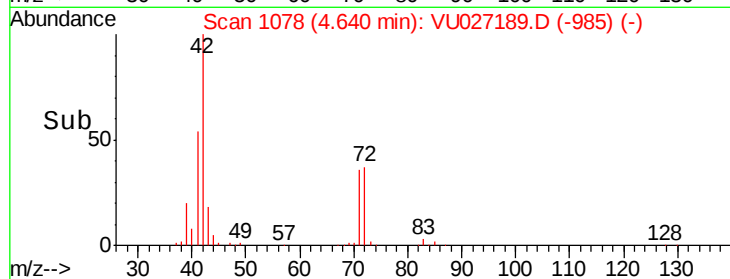
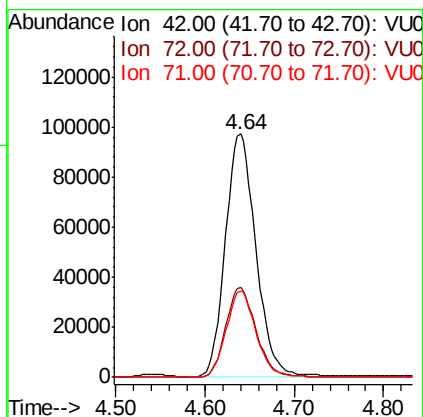
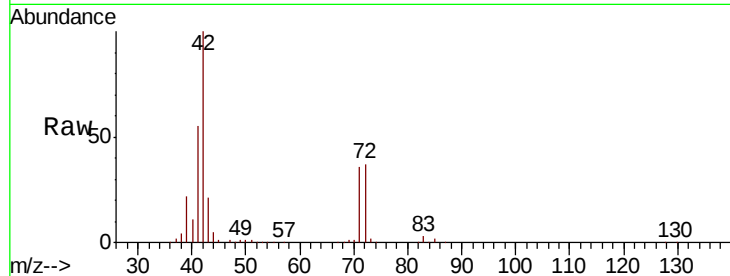
#29
Tetrahydrofuran
Concen: 302.817 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.7	31.7	47.5
71	35.0	29.6	44.4

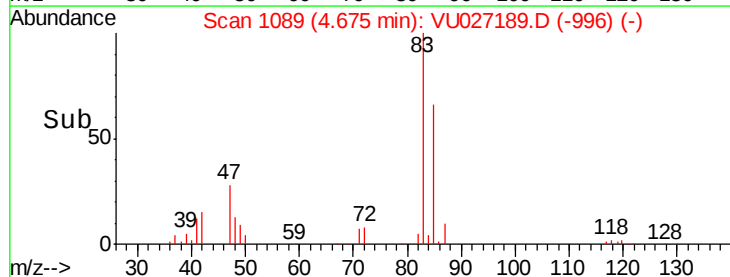
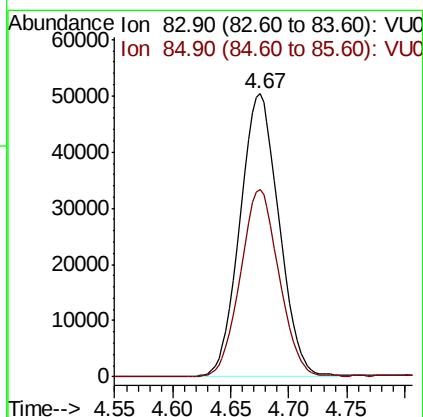
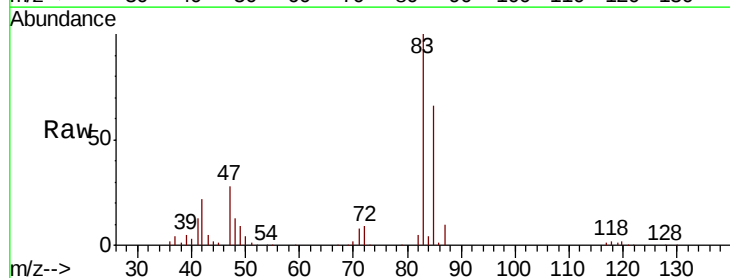
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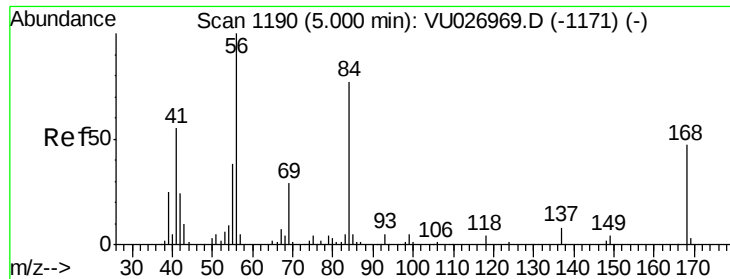
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#30
Chloroform
Concen: 51.861 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.5	77.3





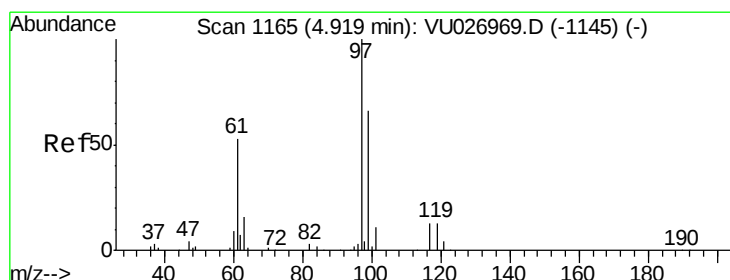
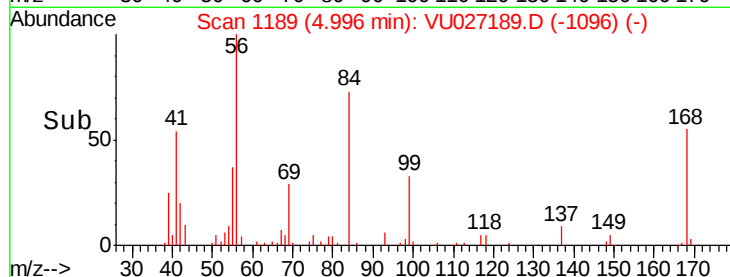
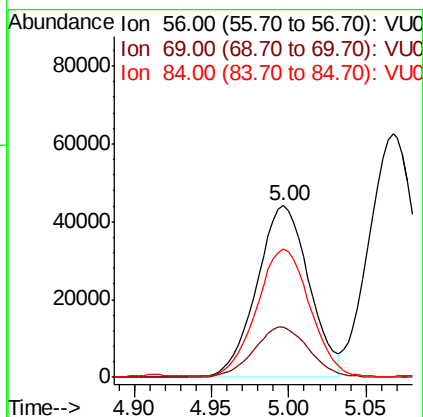
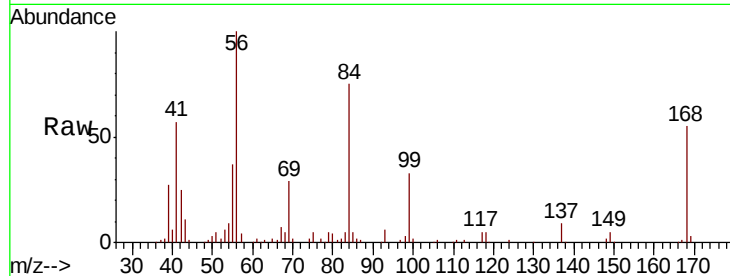
#31
Cyclohexane
Concen: 46.549 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.0	34.4
84	73.9	61.4	92.2

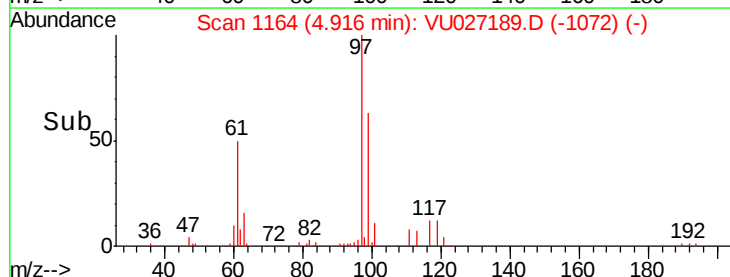
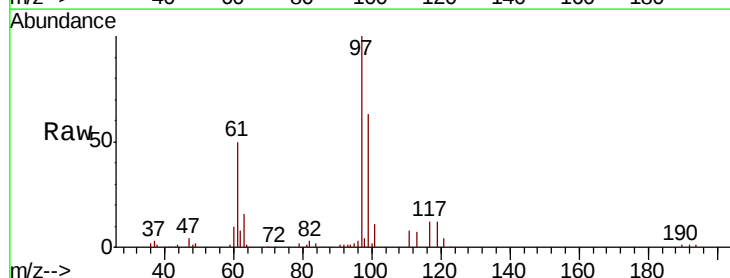
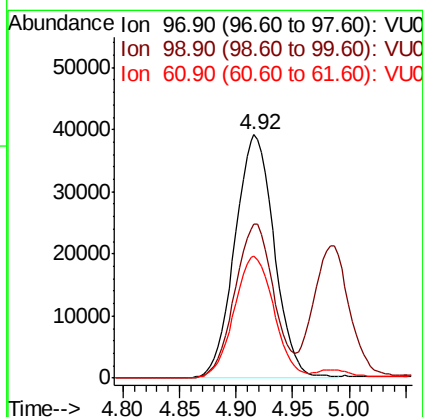
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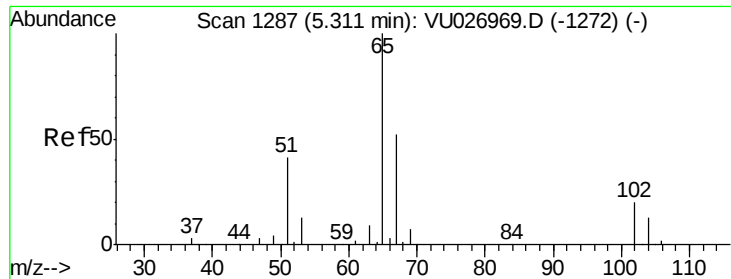
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#32
1,1,1-Trichloroethane
Concen: 52.175 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.8	77.6
61	50.7	41.1	61.7





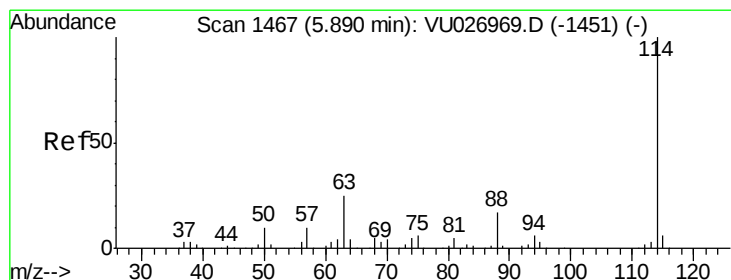
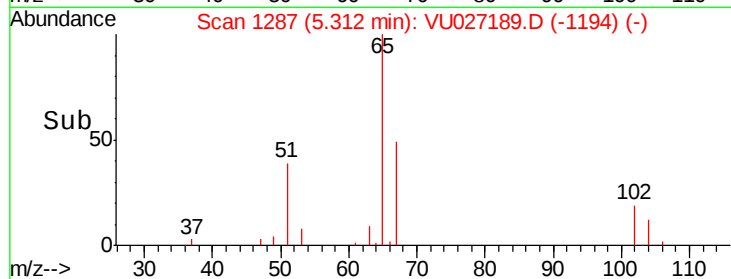
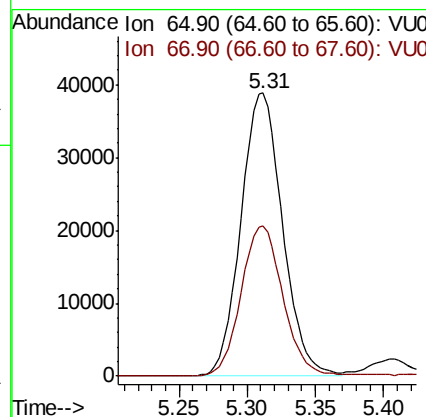
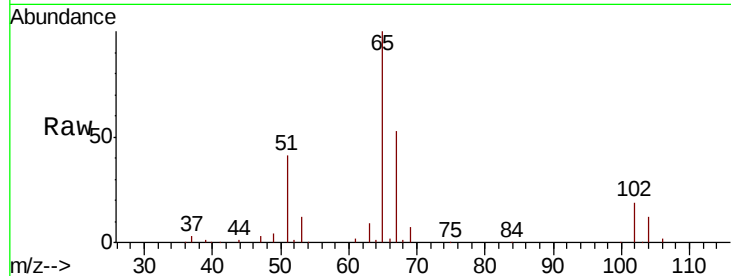
#33
 1,2-Dichloroethane-d4
 Concen: 55.003 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027189.D
 Acq: 26 Sep 2018 20:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	105.6

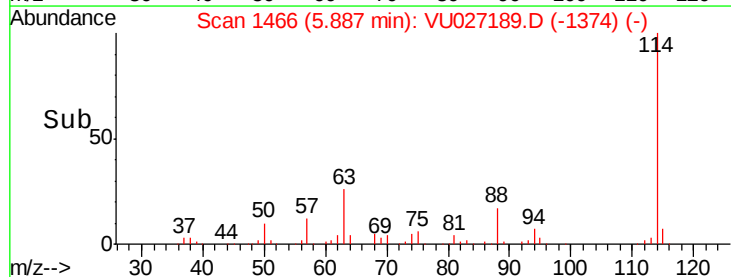
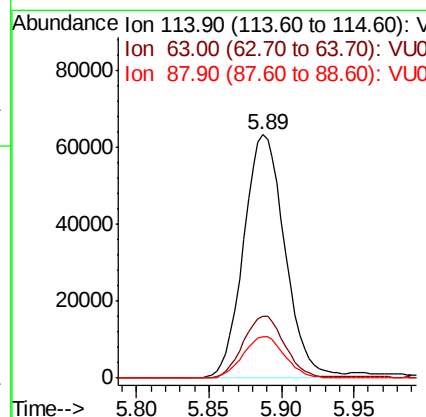
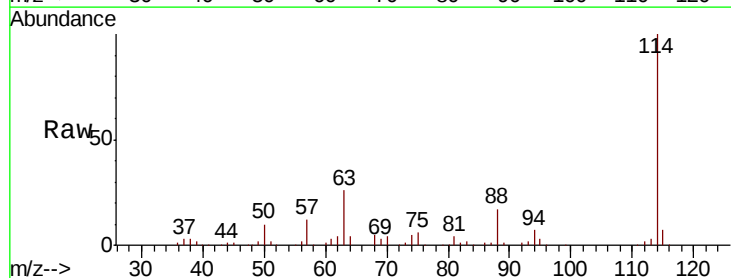
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027189.D
 Acq: 26 Sep 2018 20:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.6	0.0	49.2
88	17.1	0.0	33.8





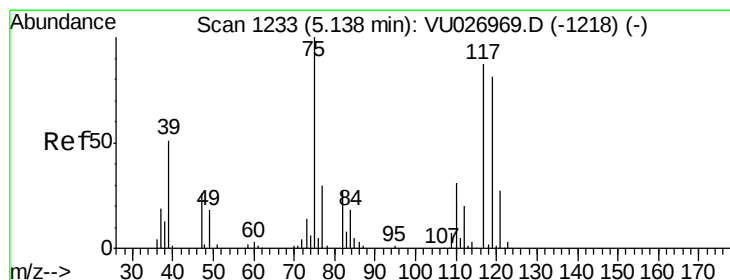
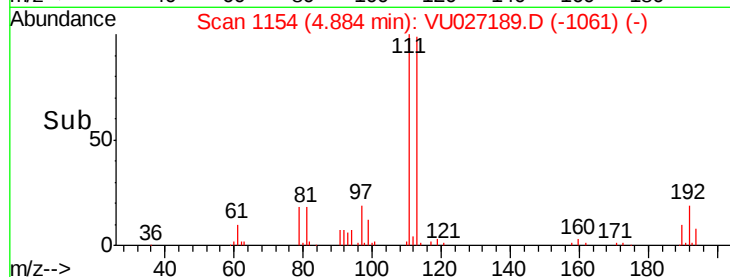
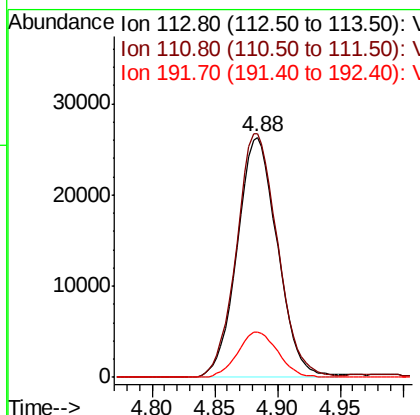
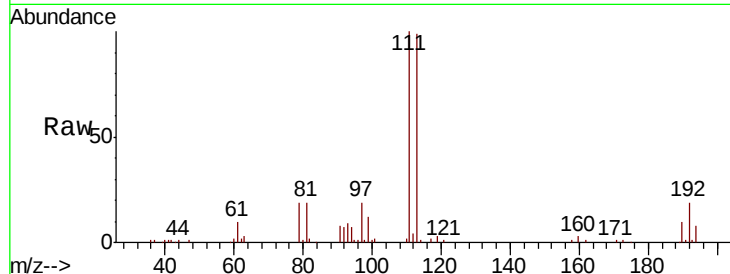
#35
 Dibromofluoromethane
 Concen: 53.779 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027189.D
 Acq: 26 Sep 2018 20:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.5	82.2	123.4	
192	18.8	15.2	22.8	

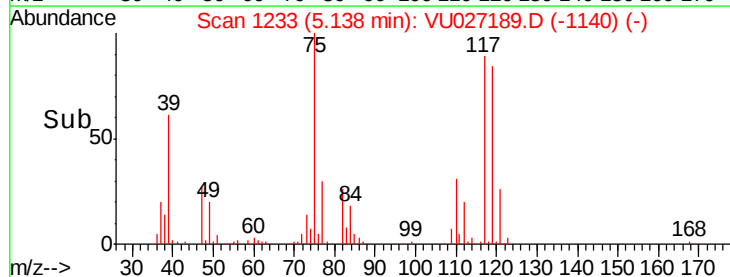
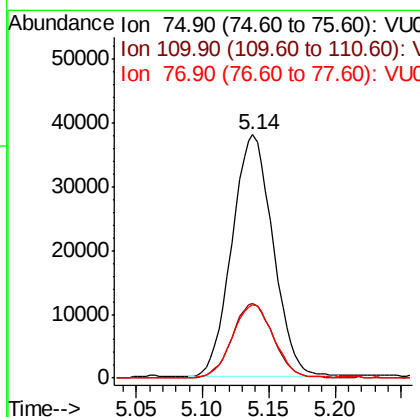
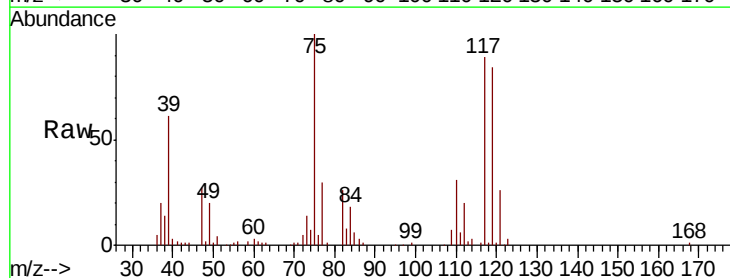
Manual Integrations
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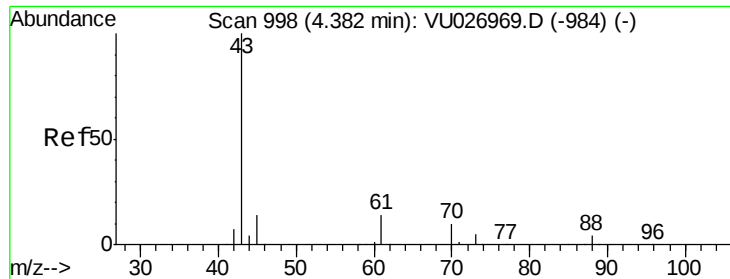
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#36
 1,1-Dichloropropene
 Concen: 48.546 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027189.D
 Acq: 26 Sep 2018 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.0	16.1	48.2	
77	31.0	24.6	36.8	





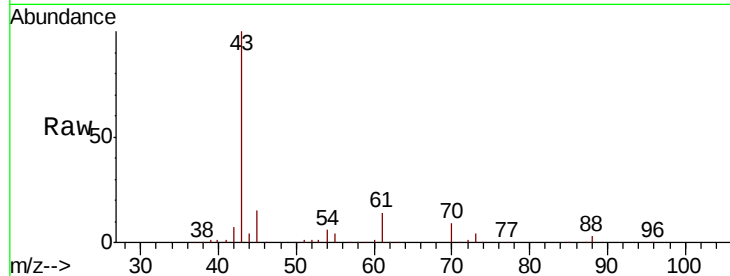
#37
Ethyl Acetate
Concen: 57.214 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

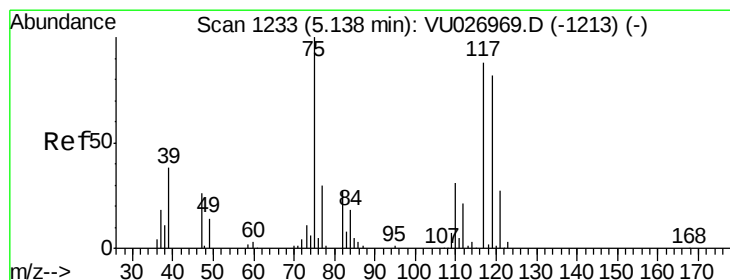
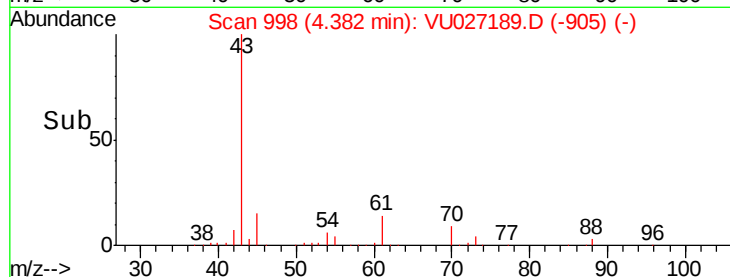
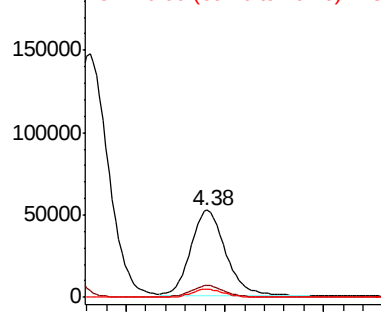
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.5	15.7
70	8.8	7.4	11.0

Manual Integrations
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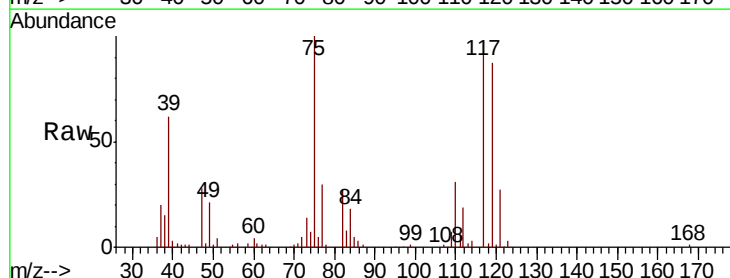


Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-984) (-)

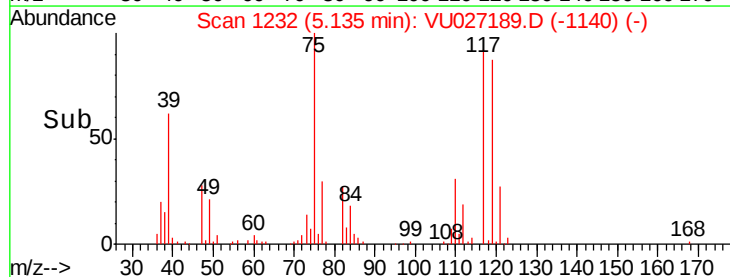
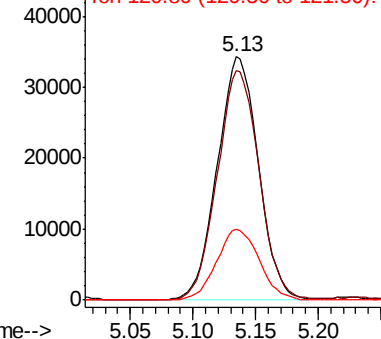


#38
Carbon Tetrachloride
Concen: 49.119 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	74.4	111.6
121	29.0	24.2	36.4



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





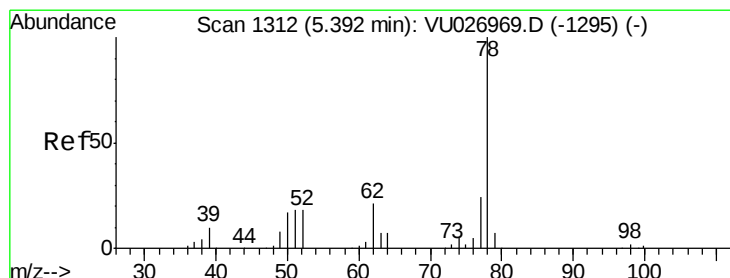
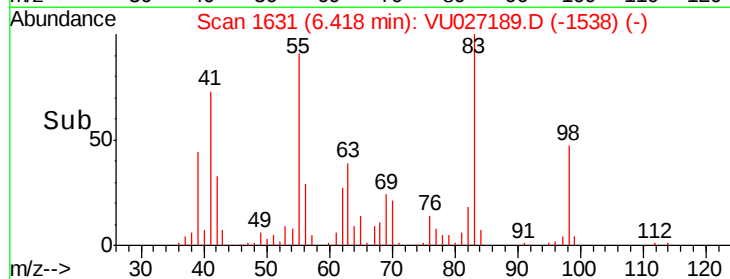
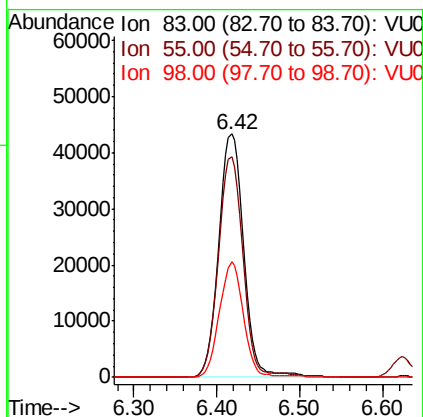
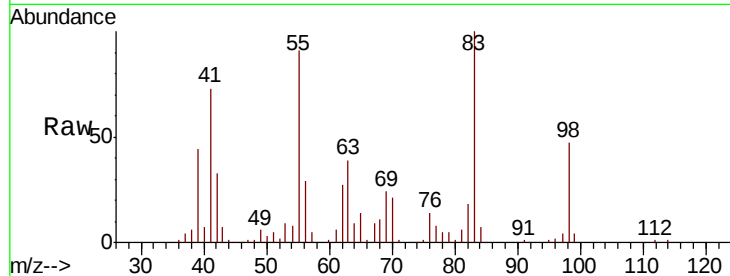
#39
Methvlcvclohexane
Concen: 49.727 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.6	69.9	104.9
98	47.3	37.5	56.3

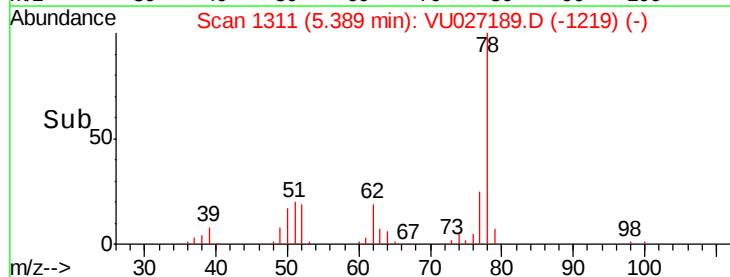
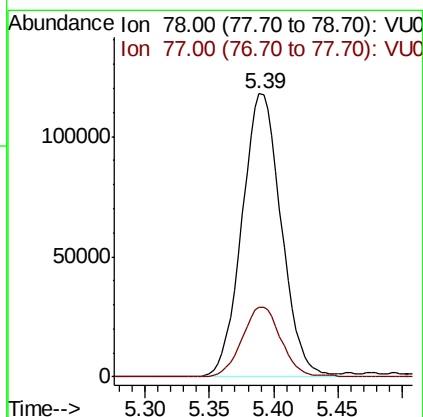
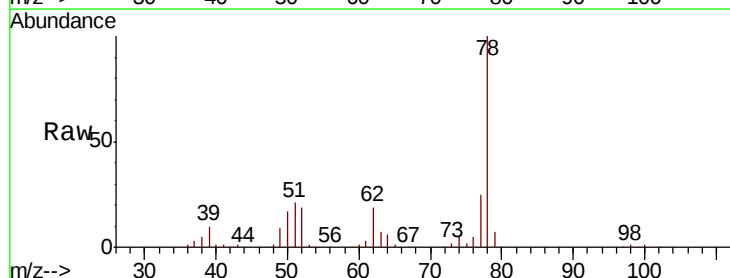
Manual Integrations
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#40
Benzene
Concen: 49.127 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.4	29.0





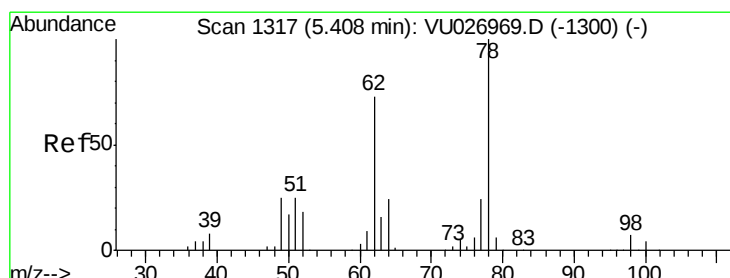
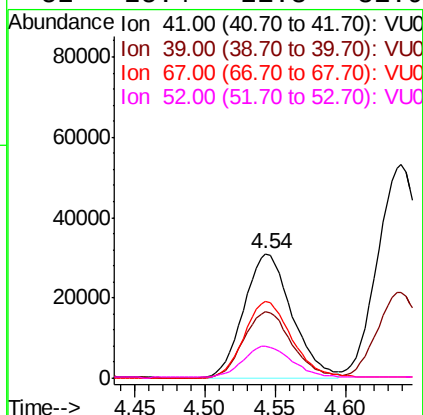
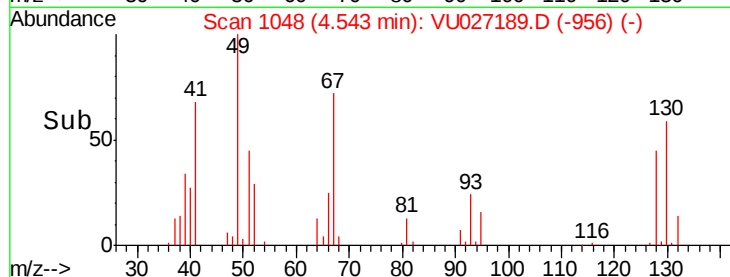
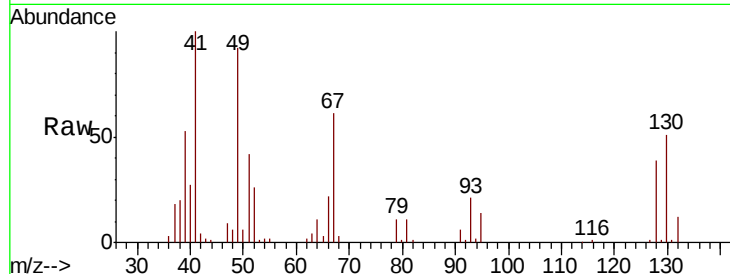
#41
Methacrylonitrile
Concen: 62.817 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.1	42.9	64.3	
67	61.1	52.4	78.6	
52	25.4	21.3	31.9	

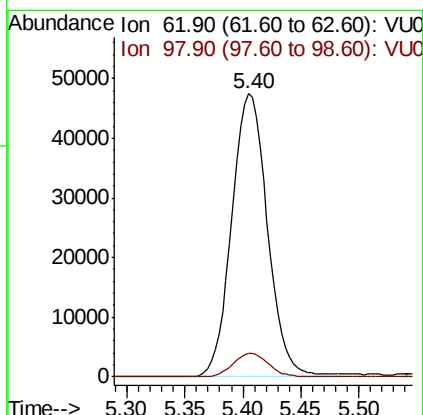
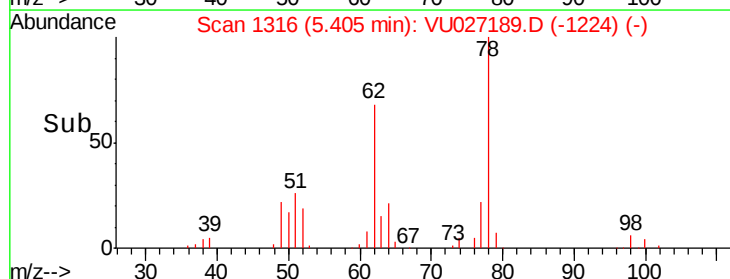
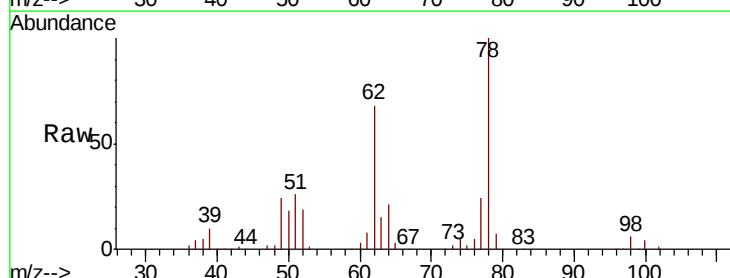
Manual Integrations
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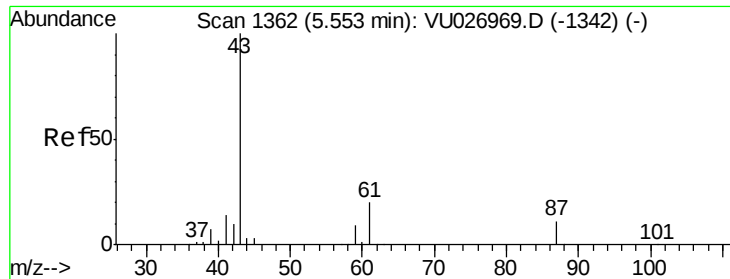
MMDadoda
9/27/2018 3:33:23 PM



#42
1,2-Dichloroethane
Concen: 52.856 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	17.0	





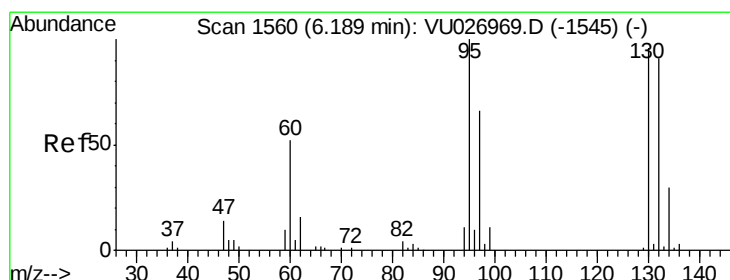
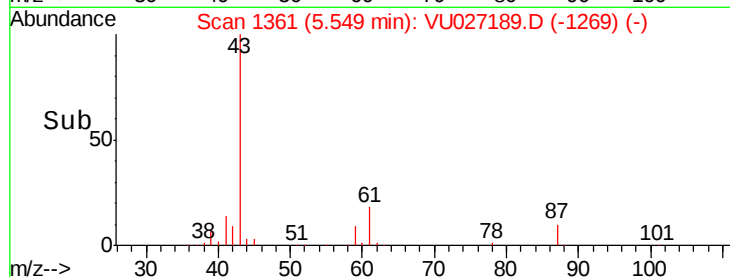
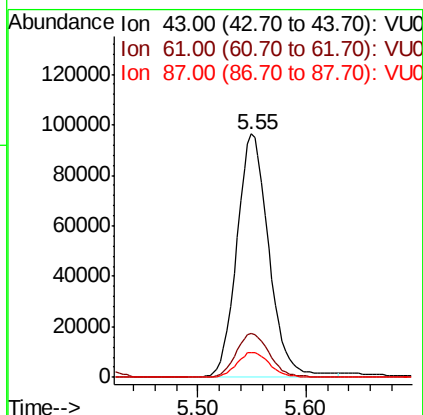
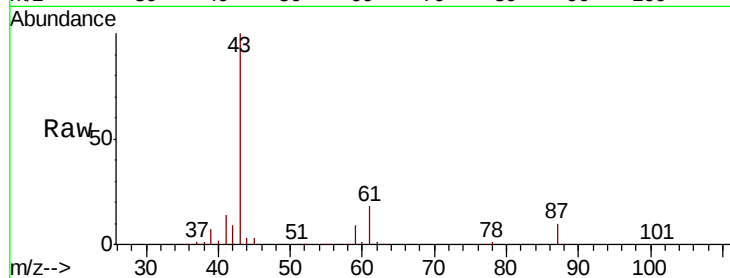
#43
Isopropyl Acetate
Concen: 59.959 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.7	23.5
87	10.5	9.0	13.4

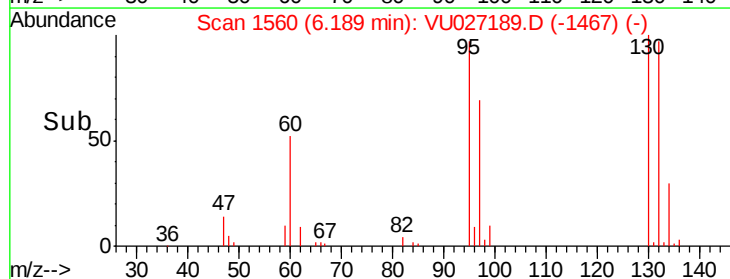
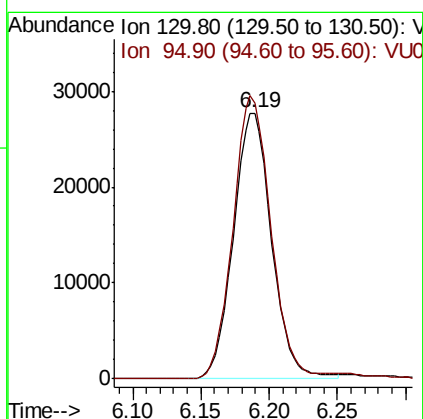
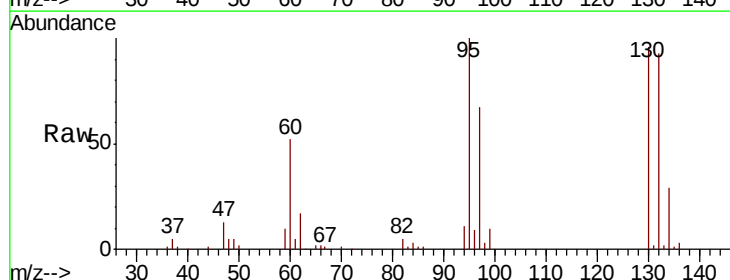
Manual Integrations
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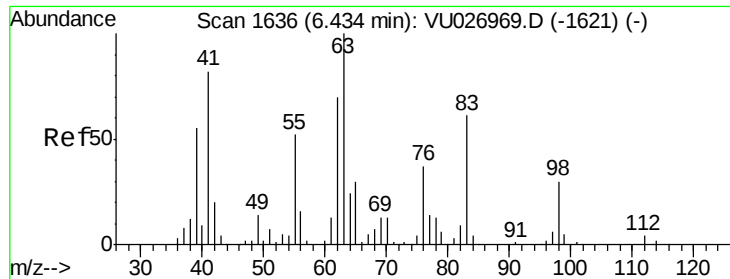
MMDadoda
9/27/2018 3:33:23 PM



#44
Trichloroethene
Concen: 49.631 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	208.8





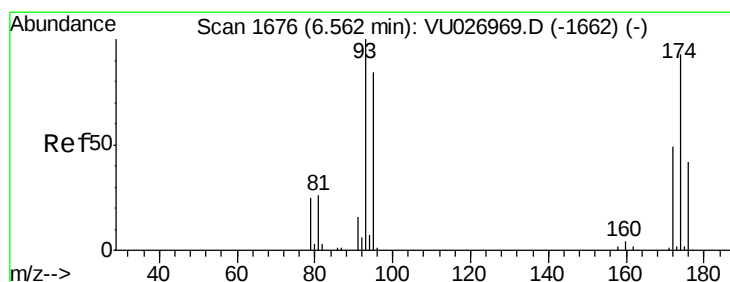
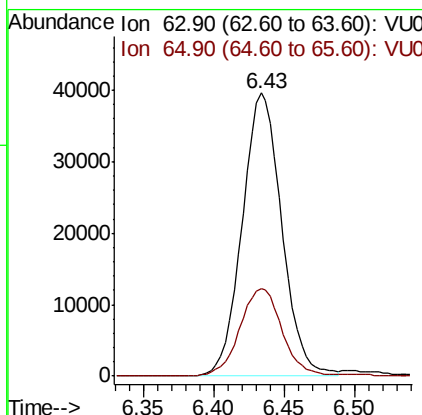
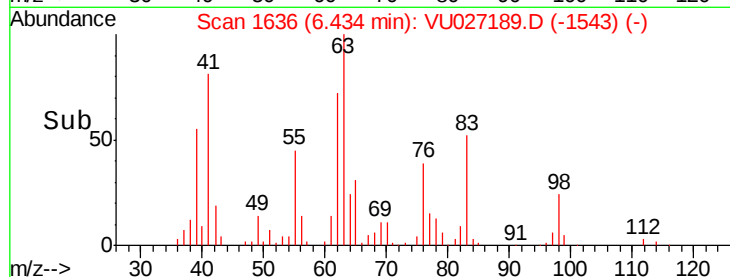
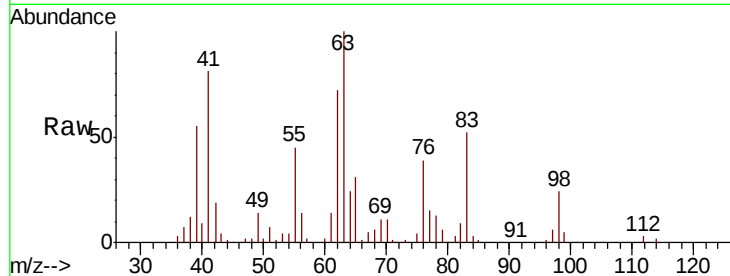
#45
 1,2-Dichloropropane
 Concen: 53.596 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027189.D
 Acq: 26 Sep 2018 20:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 77891
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.3 36.5

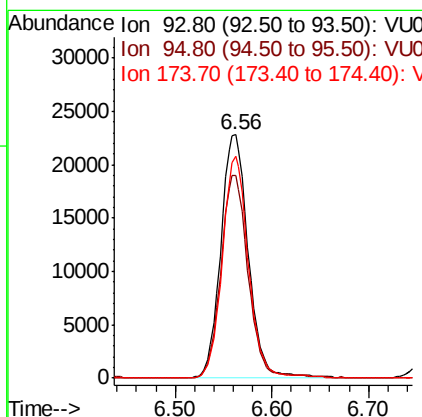
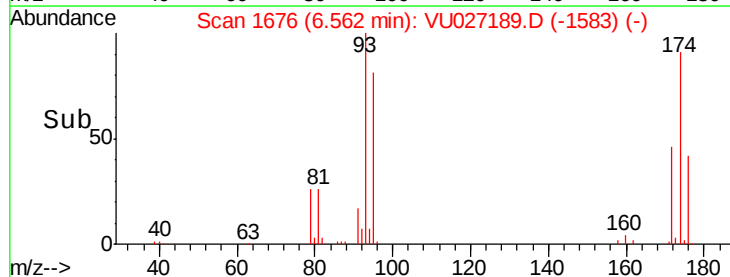
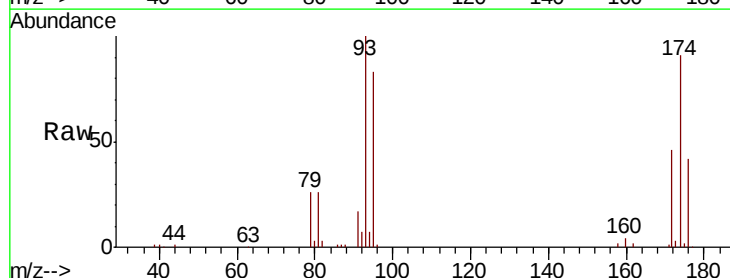
Manual Integrations
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#46
 Dibromomethane
 Concen: 51.317 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU027189.D
 Acq: 26 Sep 2018 20:07

Tgt Ion: 93 Resp: 45042
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.2 99.4
 174 86.9 71.7 107.5





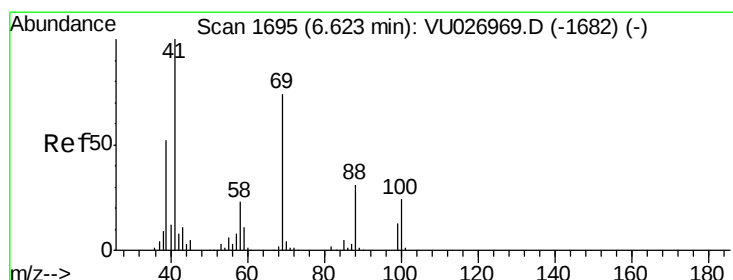
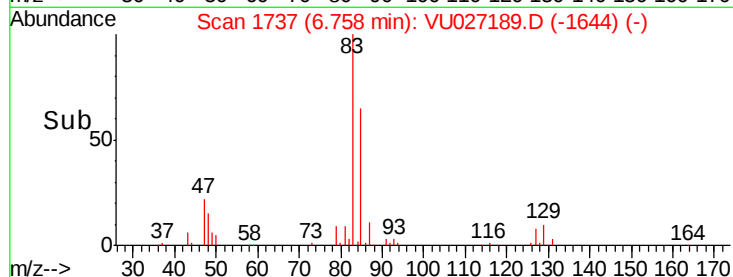
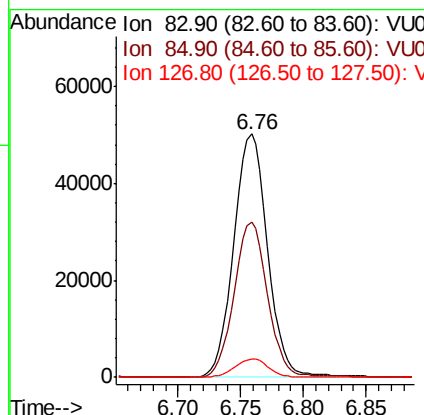
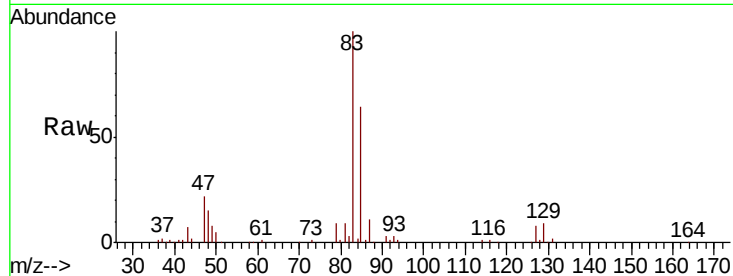
#47
Bromodichloromethane
Concen: 53.019 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	94098
Ion Ratio	100	Lower	Upper
83	100		
85	63.8	52.5	78.7
127	7.6	6.3	9.5

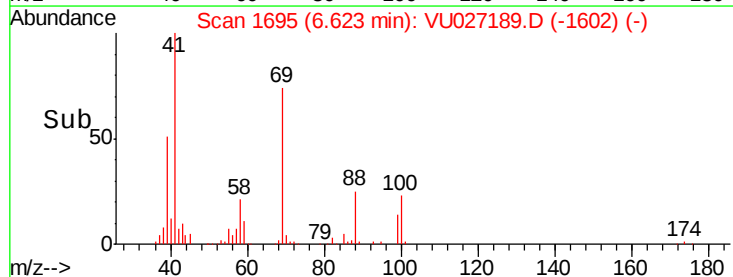
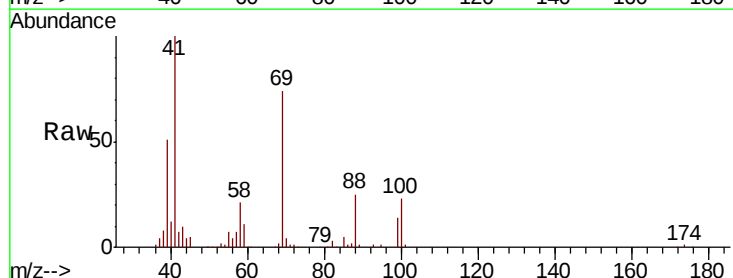
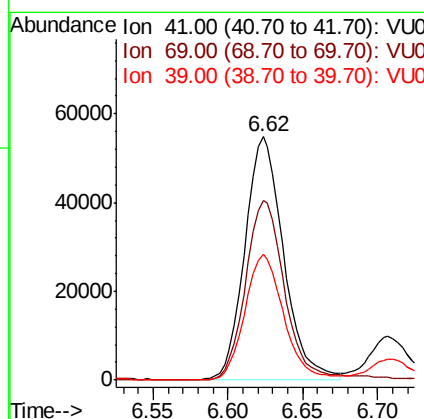
Manual Integrations
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#48
Methyl methacrylate
Concen: 54.814 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Tgt Ion	41	Resp	99002
Ion Ratio	100	Lower	Upper
41	100		
69	76.1	60.6	90.8
39	51.8	42.8	64.2





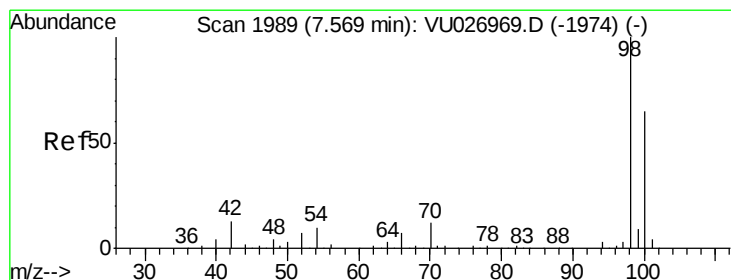
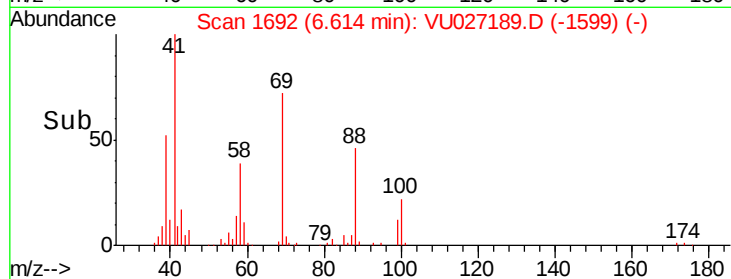
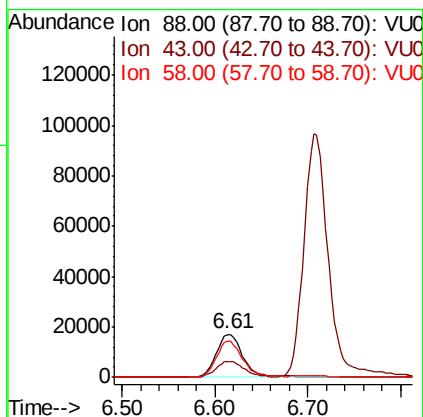
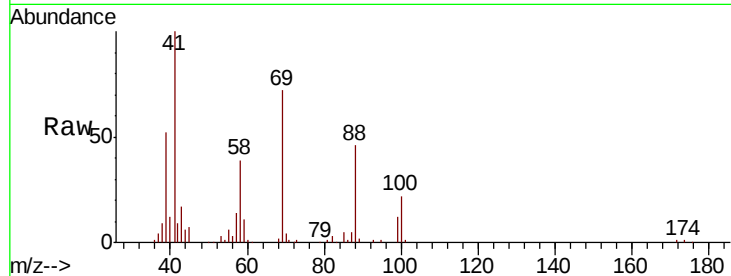
#49
1,4-Dioxane
Concen: 945.992 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.0	29.8	44.8
58	83.7	63.9	95.9

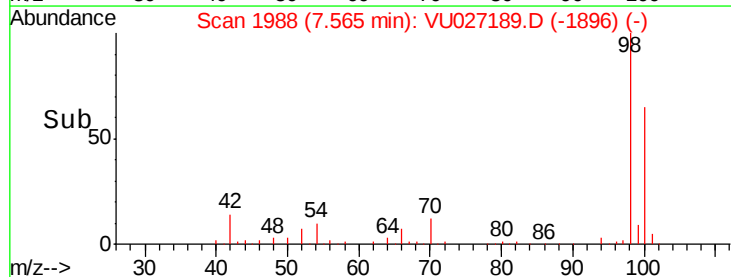
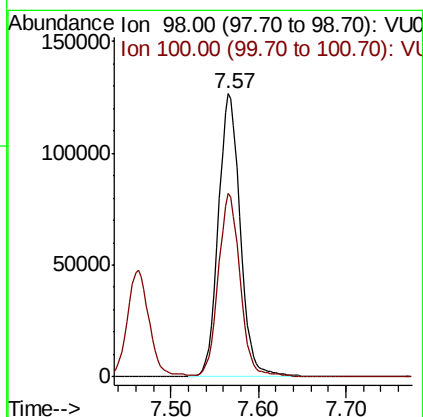
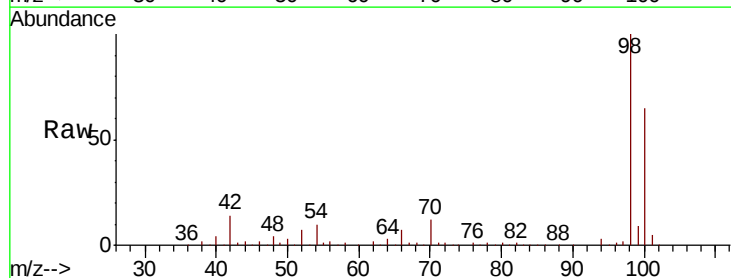
Manual Integrations
APPROVED

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#50
Toluene-d8
Concen: 53.019 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 310.501 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027189.D

Acq: 26 Sep 2018 20:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 691732

Ion Ratio Lower Upper

43 100

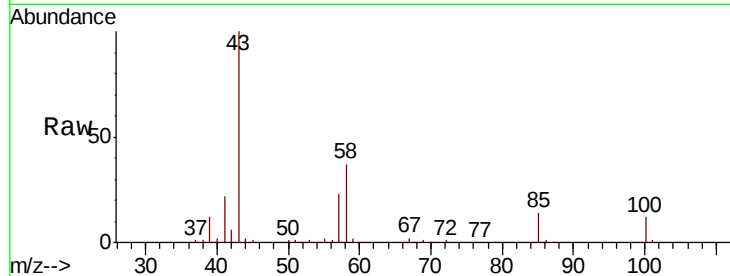
58 36.7 29.8 44.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-1939) (-)

7.46

400000

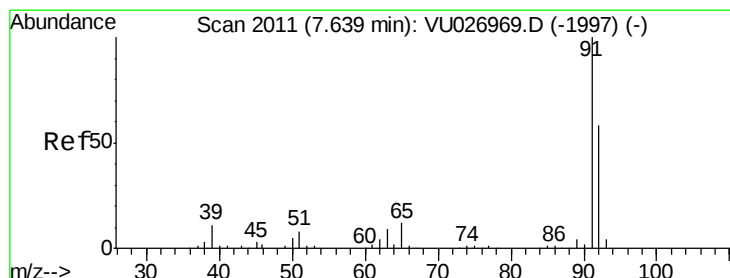
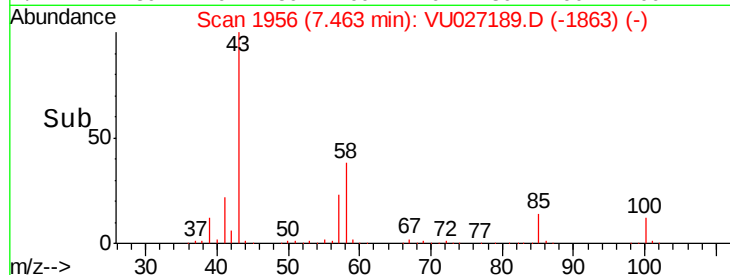
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.275 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027189.D

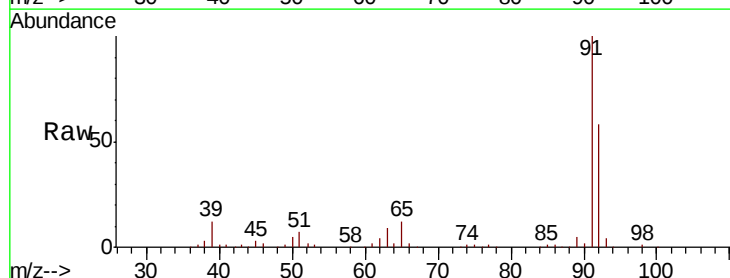
Acq: 26 Sep 2018 20:07

Tgt Ion: 92 Resp: 152831

Ion Ratio Lower Upper

92 100

91 172.9 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU026969.D (-1997) (-)

Ion 91.00 (90.70 to 91.70): VU026969.D (-1997) (-)

7.64

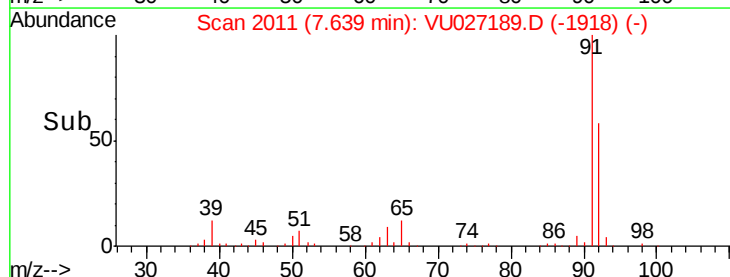
150000

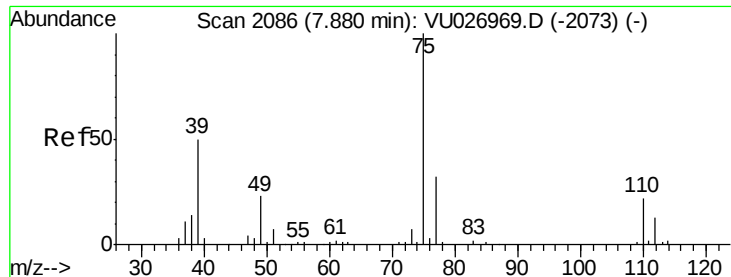
100000

50000

0

Time-->





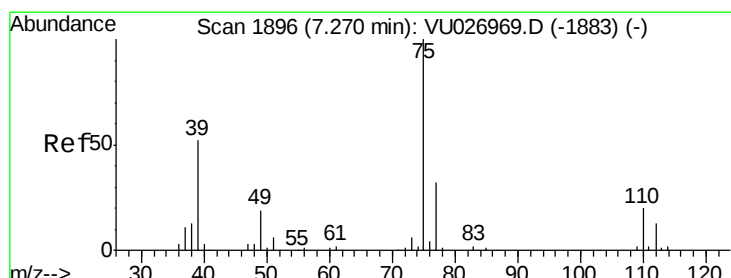
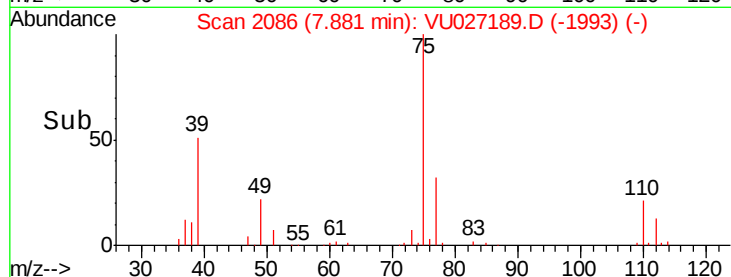
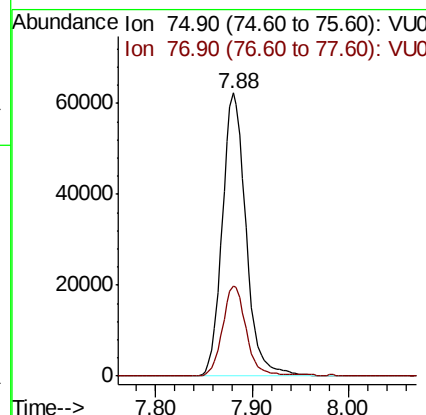
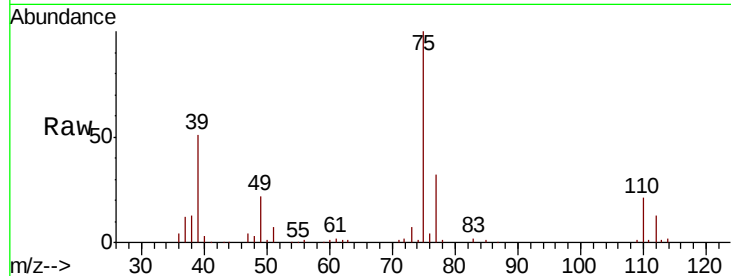
#53
t-1,3-Dichloropropene
Concen: 55.750 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 106308
Ion Ratio Lower Upper
75 100
77 32.0 25.3 37.9

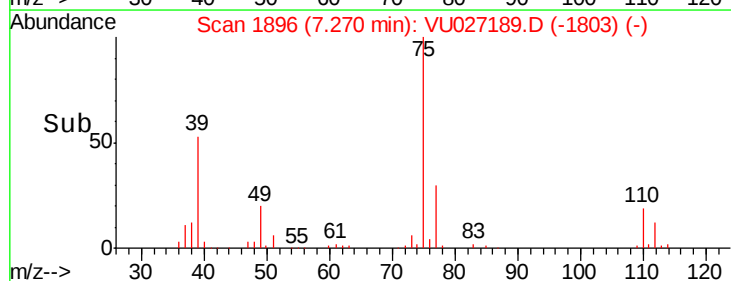
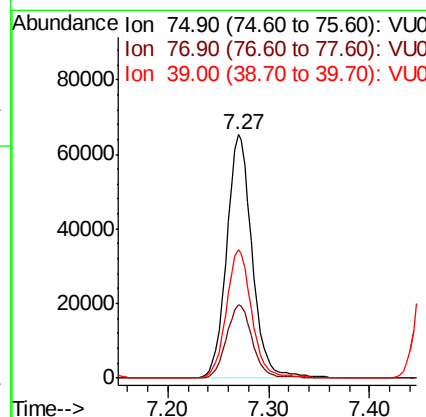
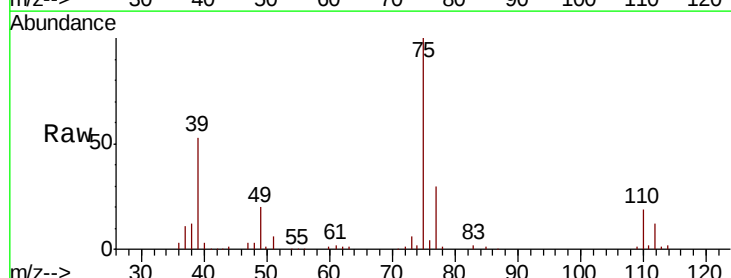
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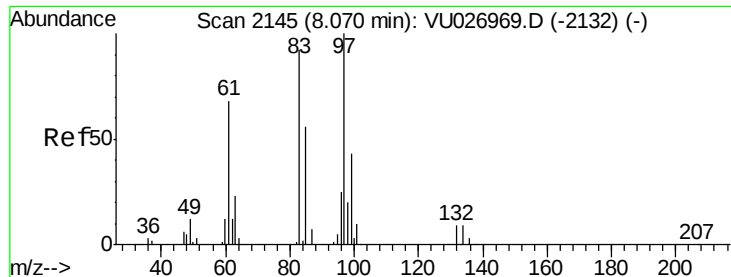
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#54
cis-1,3-Dichloropropene
Concen: 54.769 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Tgt Ion: 75 Resp: 114832
Ion Ratio Lower Upper
75 100
77 30.1 25.4 38.0
39 52.5 41.6 62.4





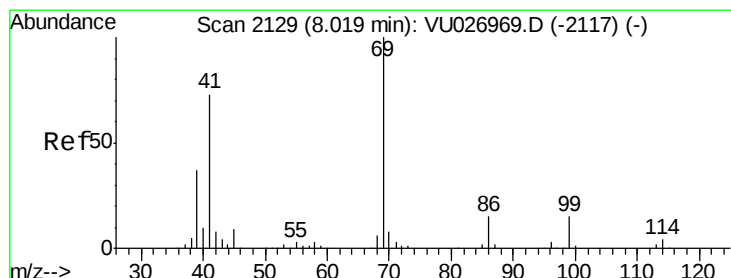
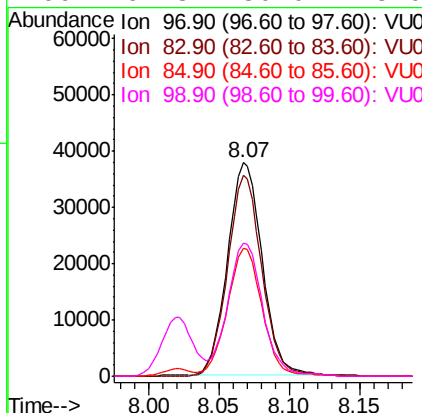
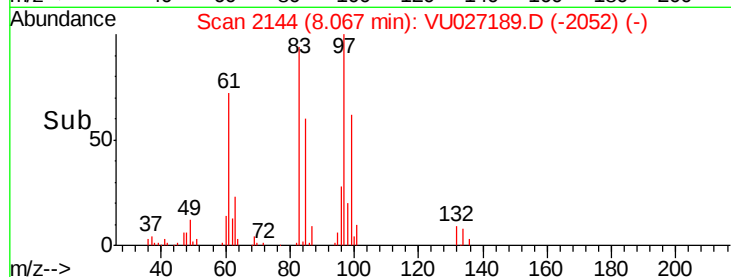
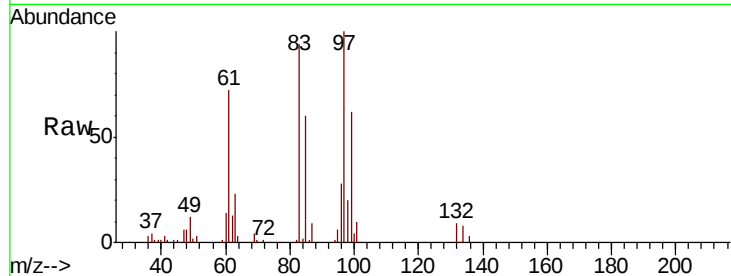
#55
 1,1,2-Trichloroethane
 Concen: 52.641 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027189.D
 Acq: 26 Sep 2018 20:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		65212		
83	94.2	73.1	109.7		
85	60.2	46.7	70.1		
99	62.3	50.0	75.0		

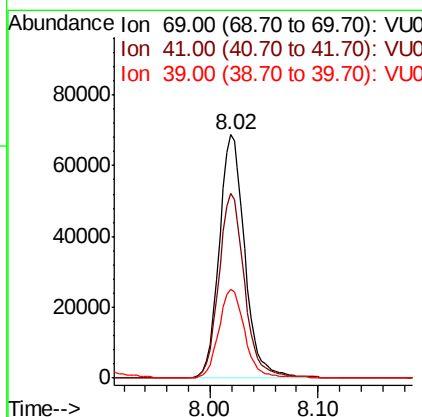
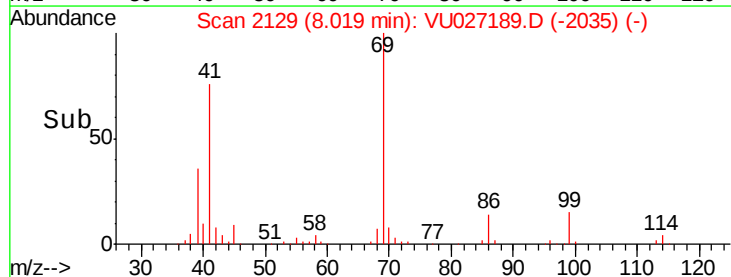
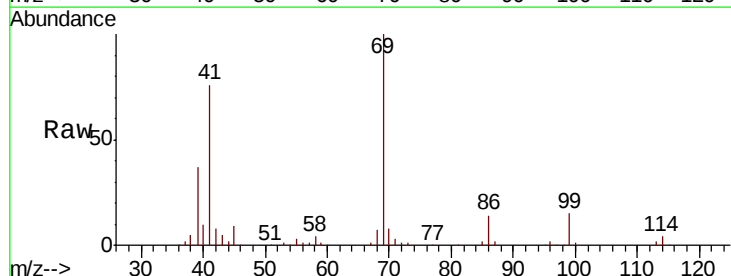
Manual Integrations
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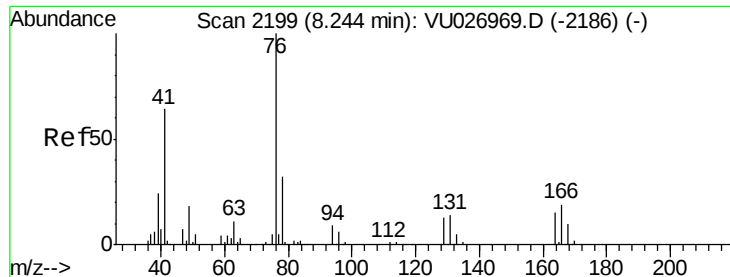
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 9/27/2018 3:33:23 PM



#56
 Ethyl methacrylate
 Concen: 52.611 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027189.D
 Acq: 26 Sep 2018 20:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		113341		
41	76.6	59.0	88.4		
39	37.0	30.2	45.4		





#57

1,3-Dichloropropane

Concen: 54.138 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU027189.D

Acq: 26 Sep 2018 20:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 124737

Ion Ratio Lower Upper

76 100

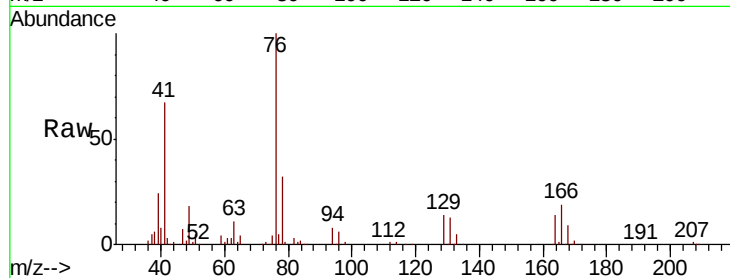
78 31.7 25.5 38.3

Manual Integrations

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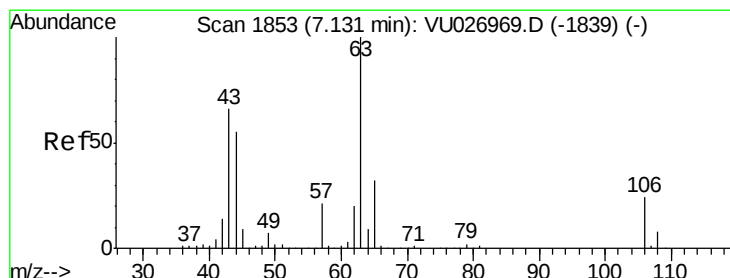
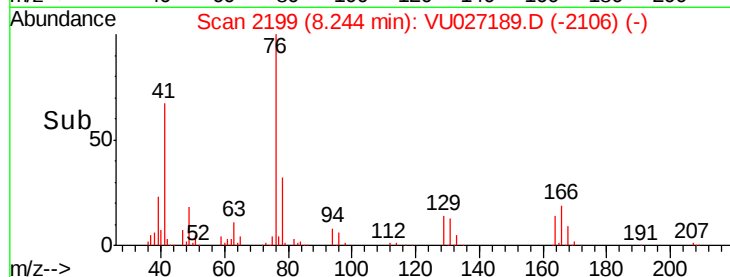
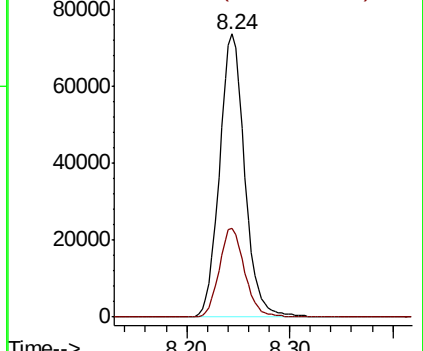
MMDadoda

9/27/2018 3:33:23 PM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 266.887 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU027189.D

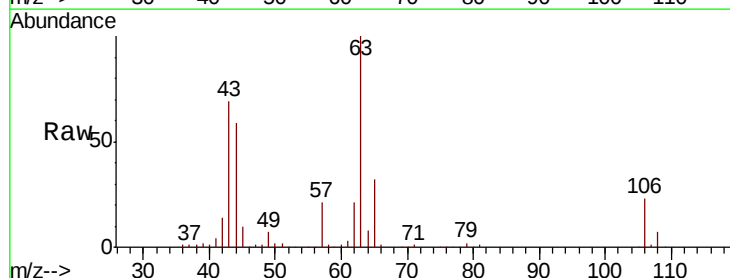
Acq: 26 Sep 2018 20:07

Tgt Ion: 63 Resp: 325971

Ion Ratio Lower Upper

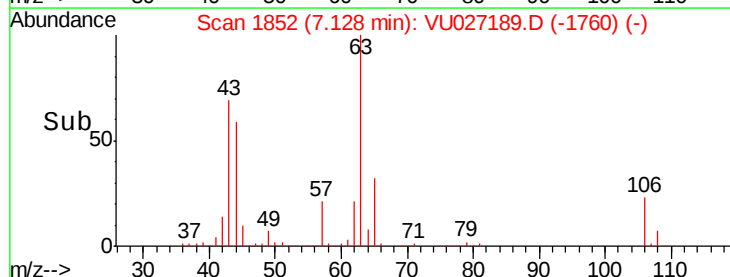
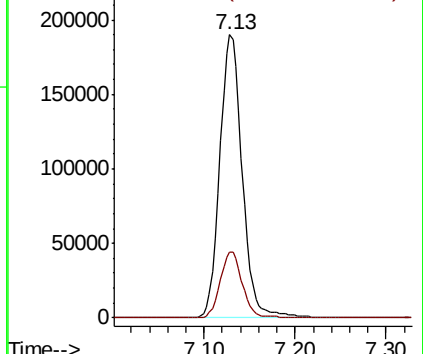
63 100

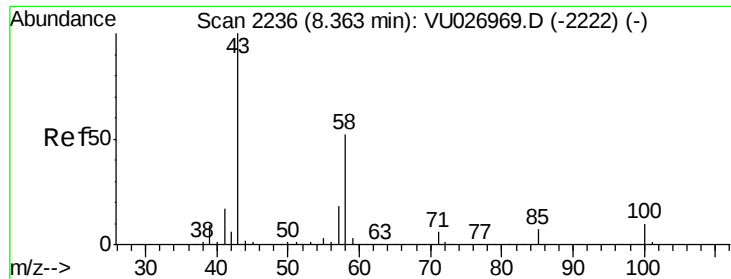
106 23.1 18.7 28.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





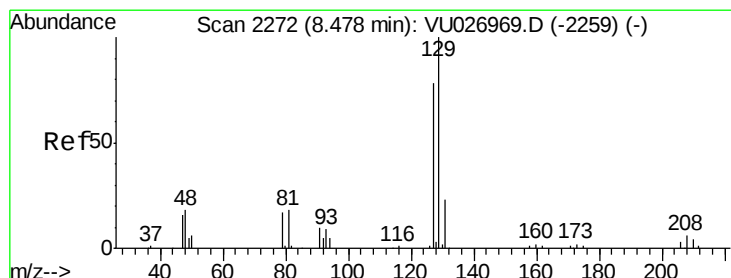
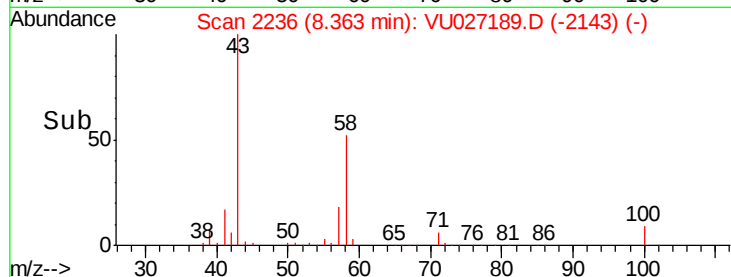
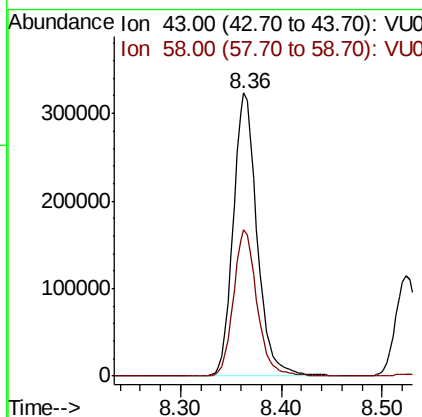
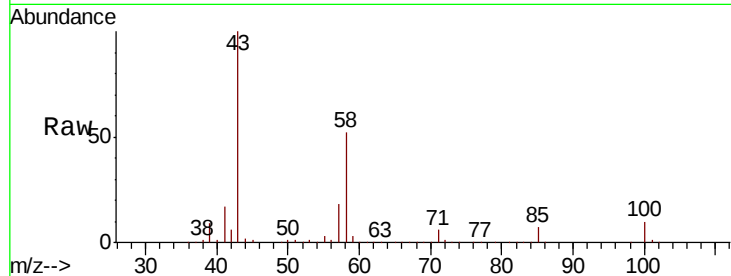
#59
2-Hexanone
Concen: 305.311 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 532423
Ion Ratio Lower Upper
43 100
58 51.1 26.1 78.2

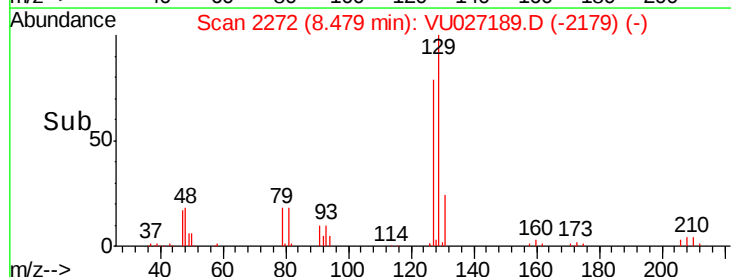
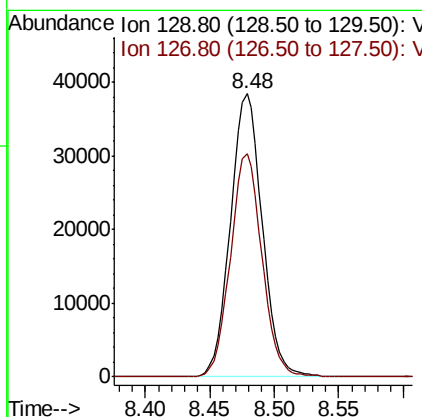
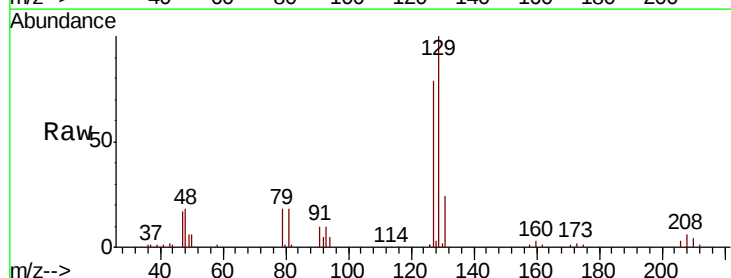
Manual Integrations
APPROVED

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#60
Dibromochloromethane
Concen: 54.301 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Tgt Ion: 129 Resp: 65983
Ion Ratio Lower Upper
129 100
127 78.0 38.1 114.5





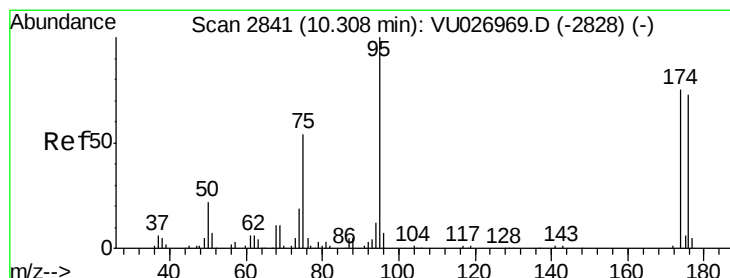
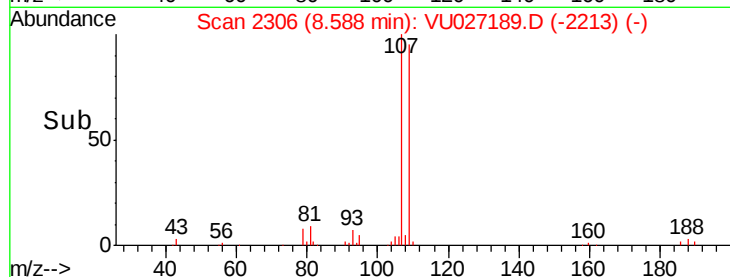
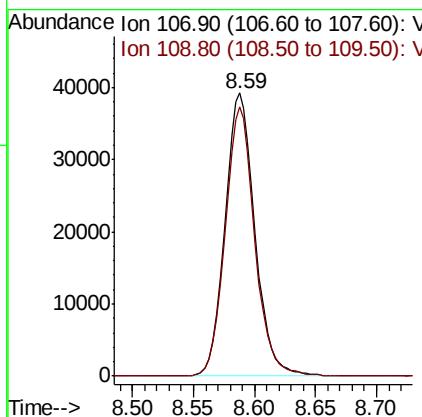
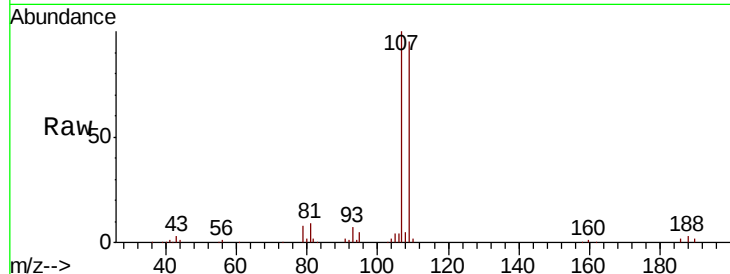
#61
 1,2-Dibromoethane
 Concen: 52.084 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027189.D
 Acq: 26 Sep 2018 20:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.0	112.6

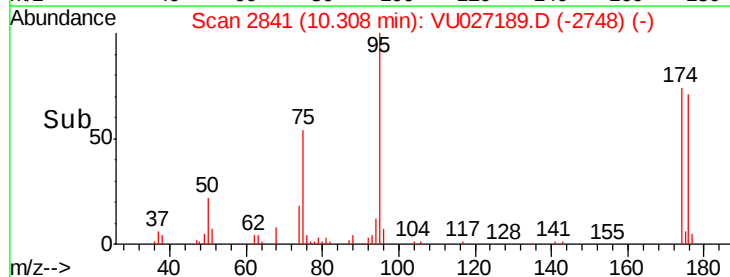
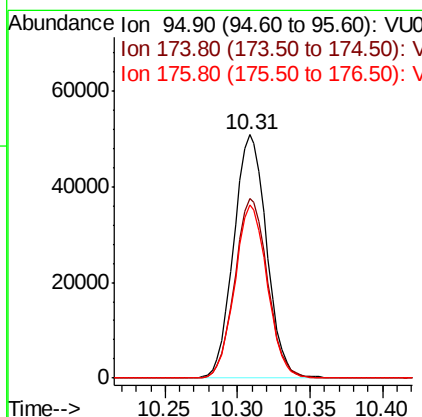
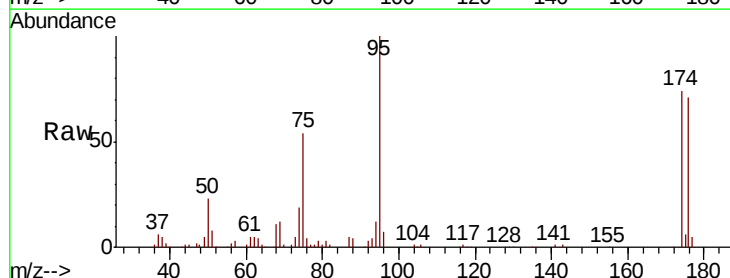
Manual Integrations
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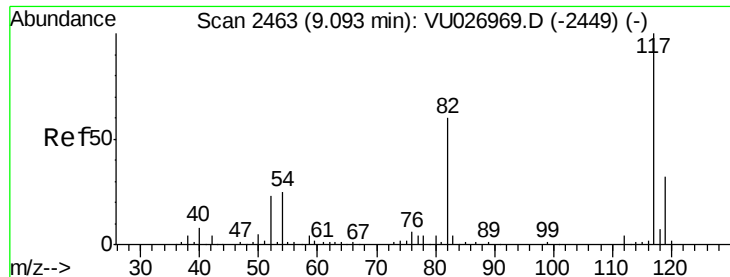
MMDadoda
 9/27/2018 3:33:23 PM



#62
 4-Bromofluorobenzene
 Concen: 56.294 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027189.D
 Acq: 26 Sep 2018 20:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	150.2
176	70.3	0.0	145.2





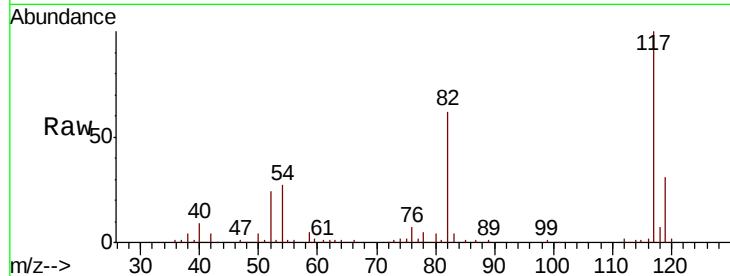
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	122568		
82	62.0	48.0	72.0	
119	31.3	25.8	38.8	

Manual Integrations
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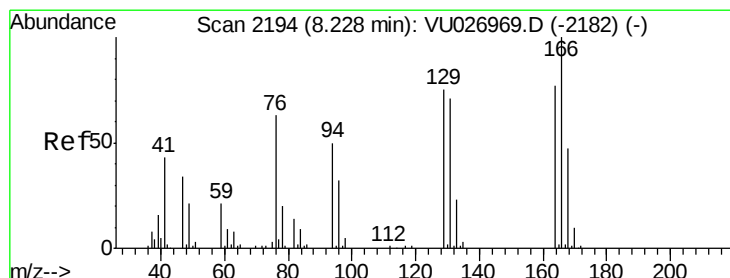
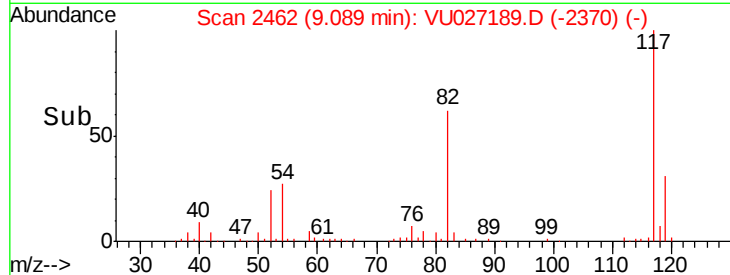
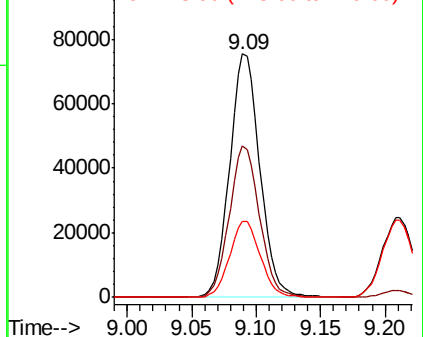


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 48.009 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45343		
166	127.6	104.4	156.6	
129	100.8	78.7	118.1	
131	95.0	73.9	110.9	

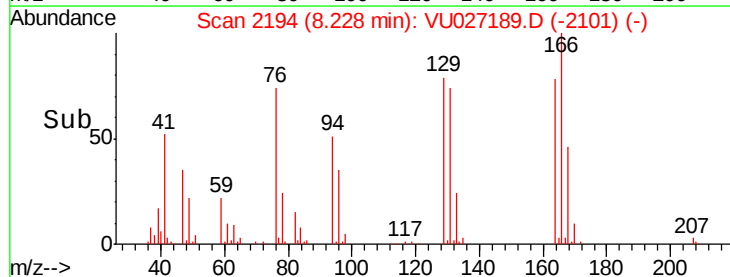
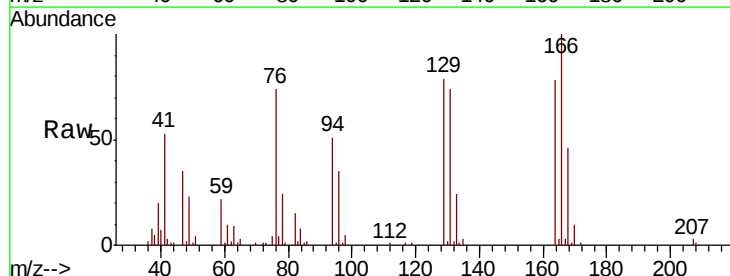
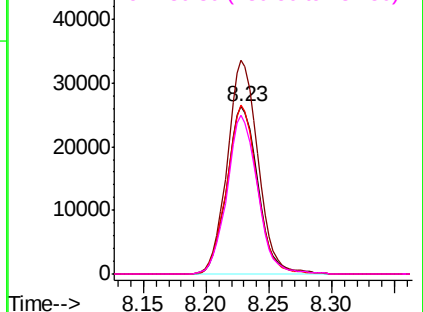
Abundance

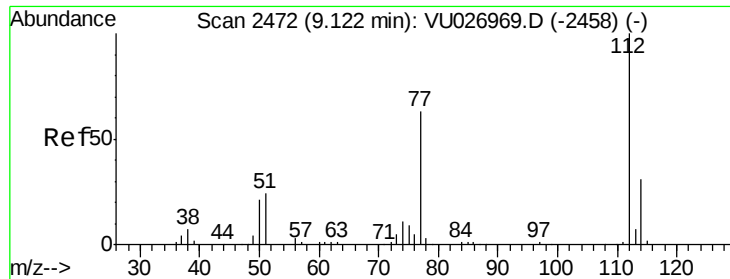
Ion 163.80 (163.50 to 164.50): V

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





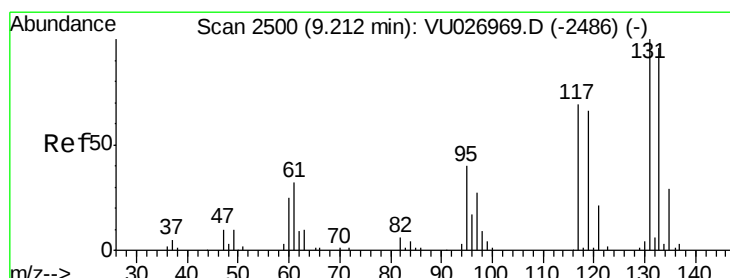
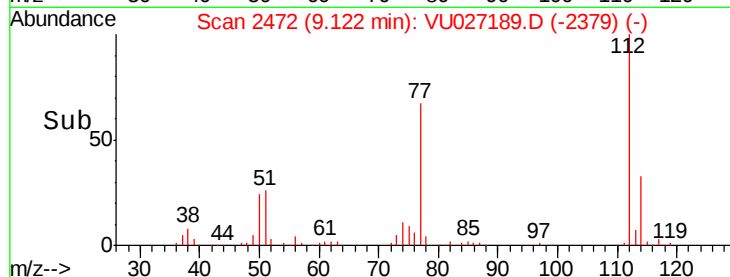
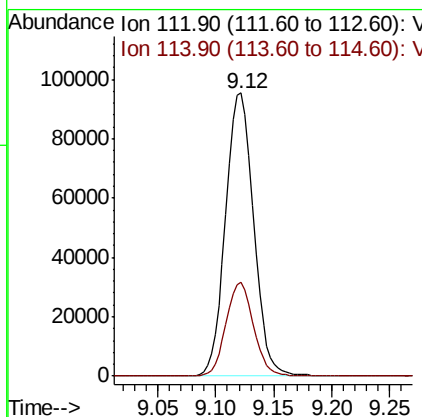
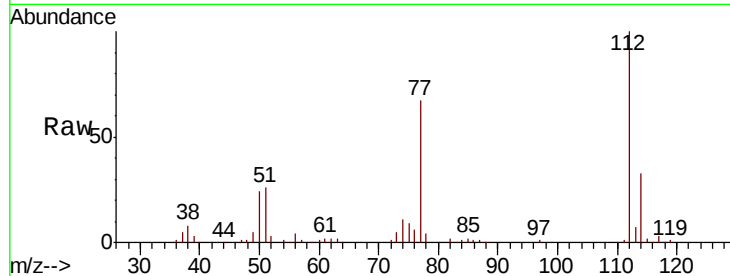
#65
Chlorobenzene
Concen: 49.206 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 159914
Ion Ratio Lower Upper
112 100
114 33.1 25.0 37.6

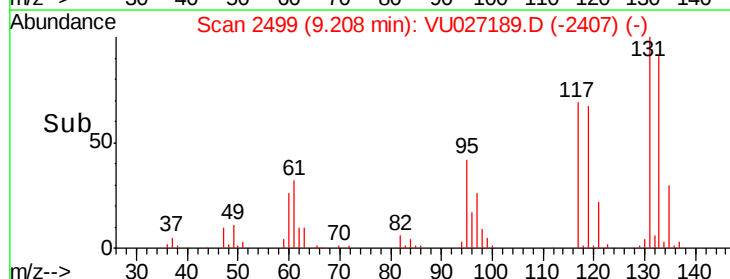
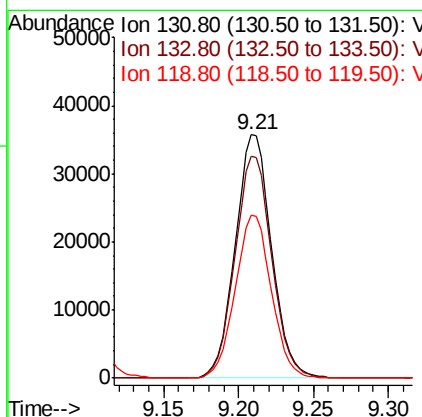
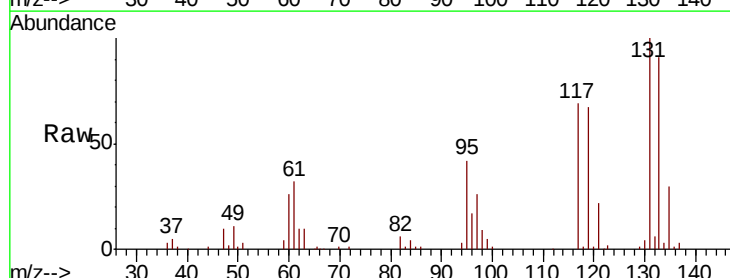
Manual Integrations
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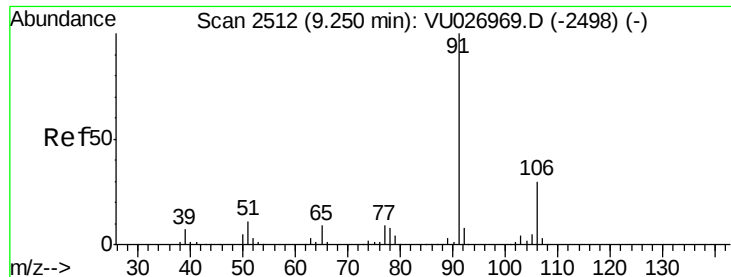
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.870 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Tgt Ion:131 Resp: 60301
Ion Ratio Lower Upper
131 100
133 92.7 48.0 144.2
119 66.7 33.4 100.1





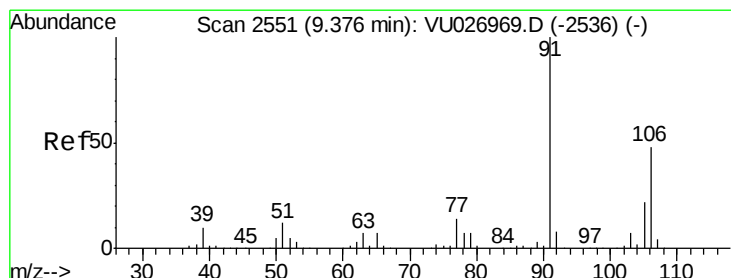
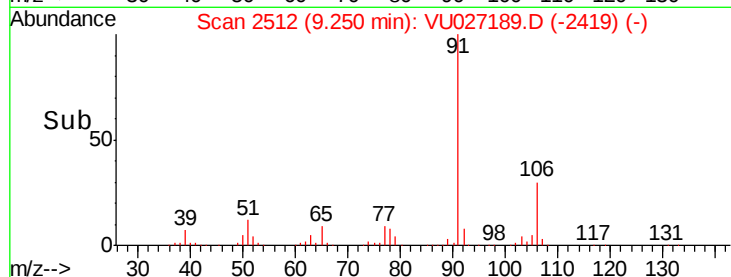
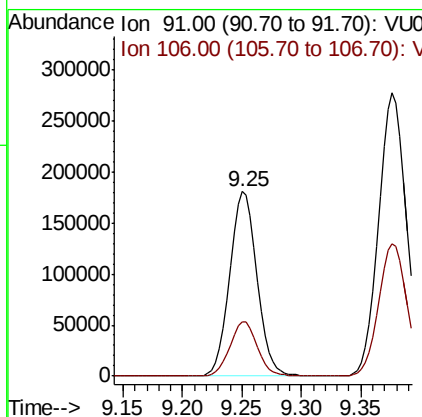
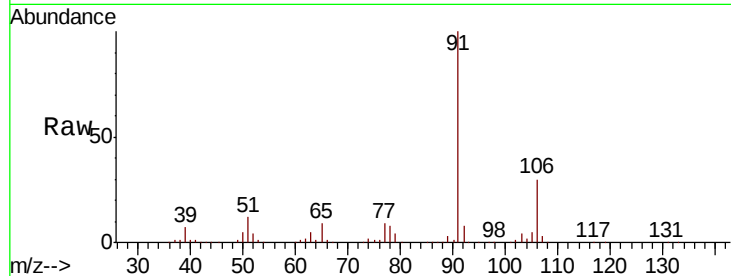
#67
Ethyl Benzene
Concen: 53.757 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 287281
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.8

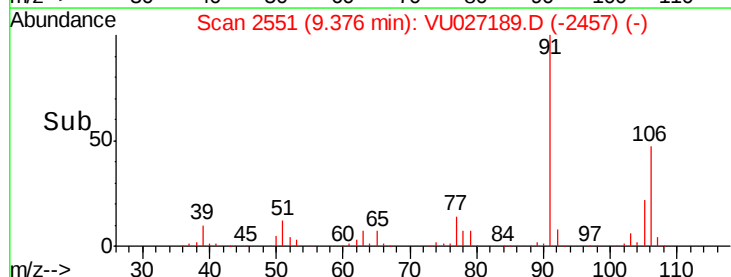
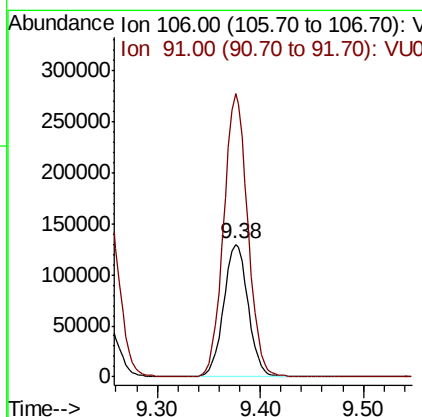
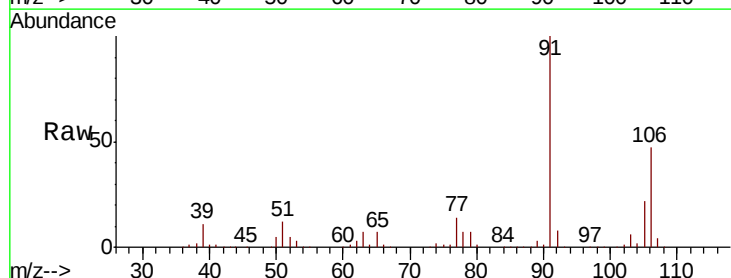
Manual Integrations
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#68
m/p-Xylenes
Concen: 98.919 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Tgt Ion: 106 Resp: 214054
Ion Ratio Lower Upper
106 100
91 210.7 166.5 249.7





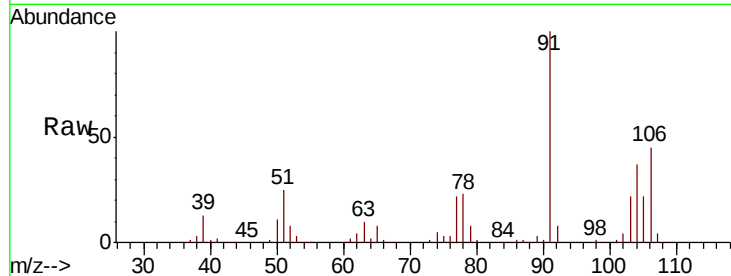
#69
o-Xylene
Concen: 55.125 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

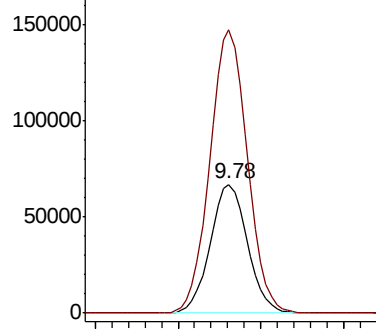
Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	221.6	110.2	330.6

Manual Integrations
APPROVED

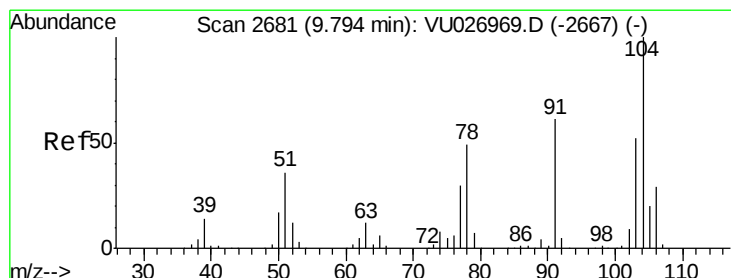
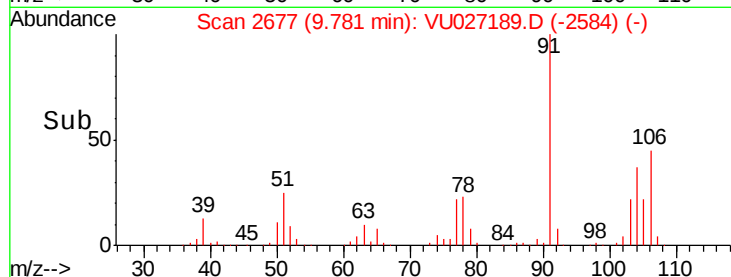
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

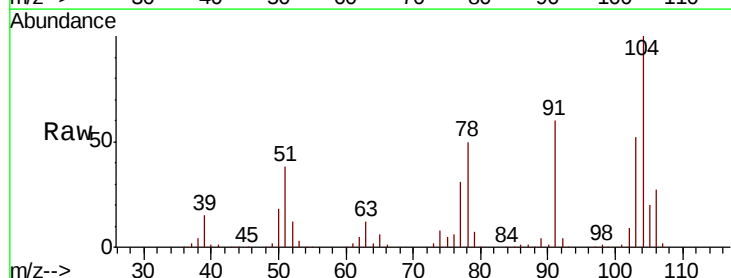


Time-->

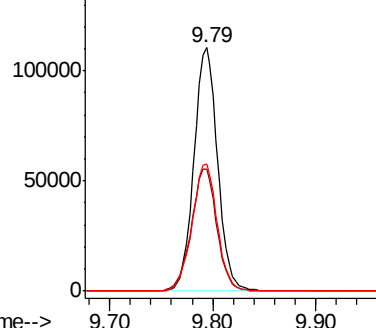


#70
Styrene
Concen: 49.920 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

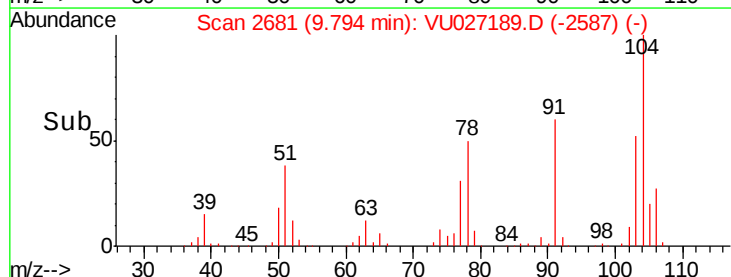
Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	54.1	43.0	64.4
103	103	55.3	44.1	66.1



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



Time-->





#71

Bromoform

Concen: 56.312 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027189.D

Acq: 26 Sep 2018 20:07

Instrument :

MSVOA_U

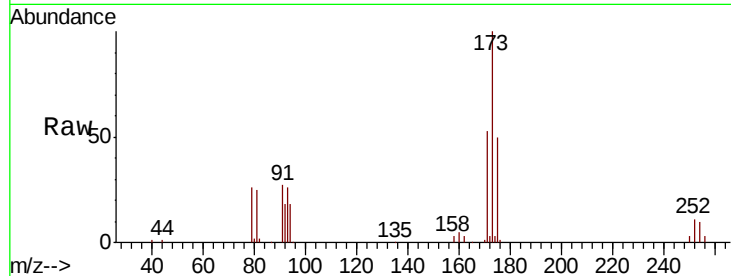
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.9	71.8
254	0.0	0.0	0.0

Manual Integrations
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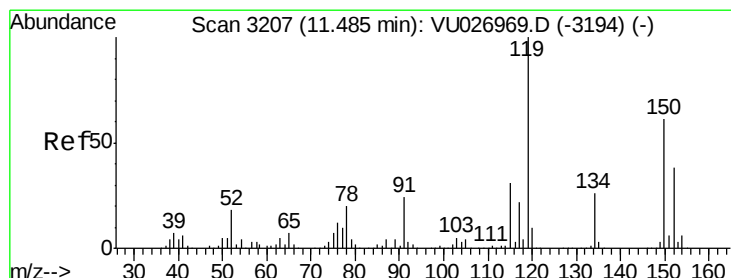
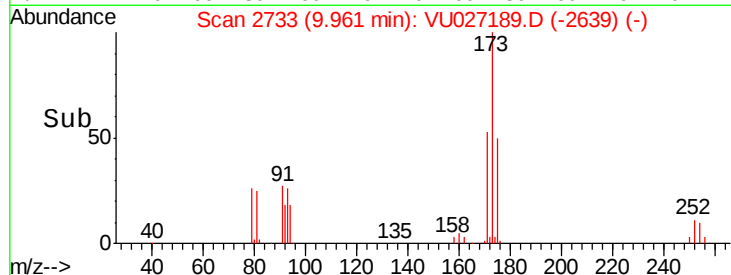
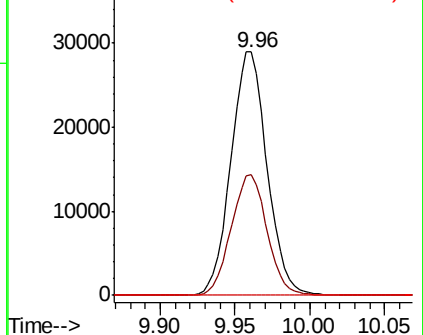


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

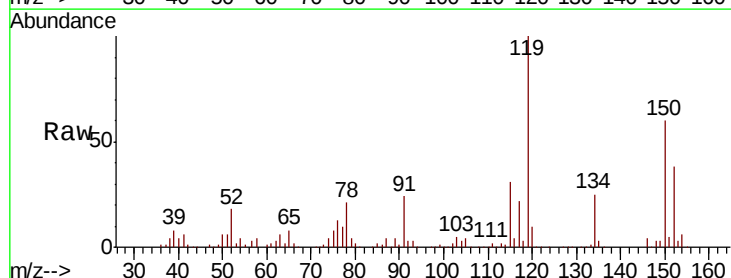
RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027189.D

Acq: 26 Sep 2018 20:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	90.4	44.9	134.5
150	178.6	0.0	355.8

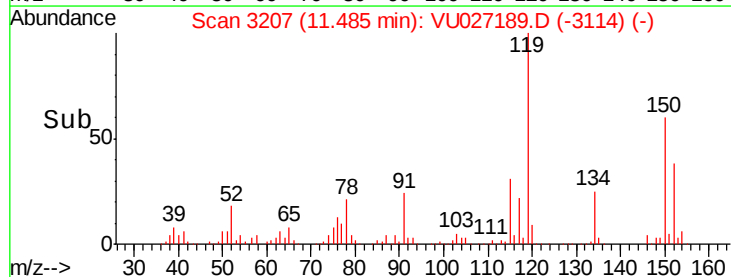
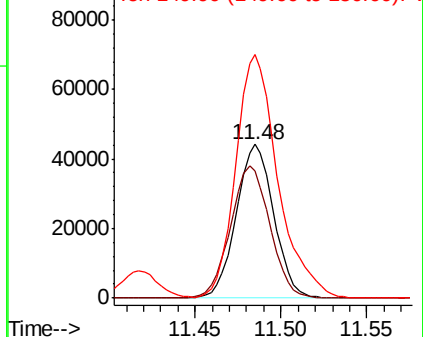


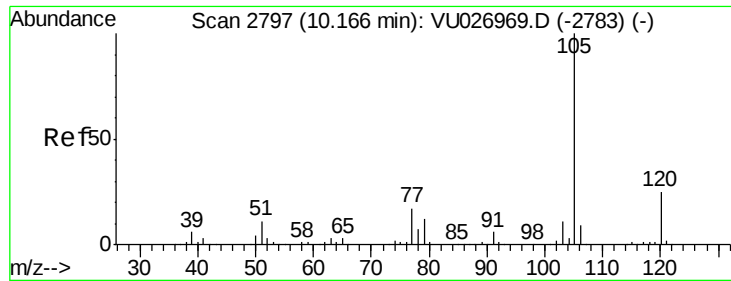
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.765 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027189.D

Acq: 26 Sep 2018 20:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 283638

Ion Ratio Lower Upper

105 100

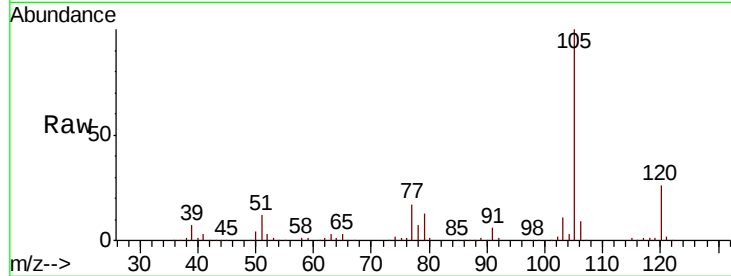
120 25.4 12.8 38.4

Manual Integrations

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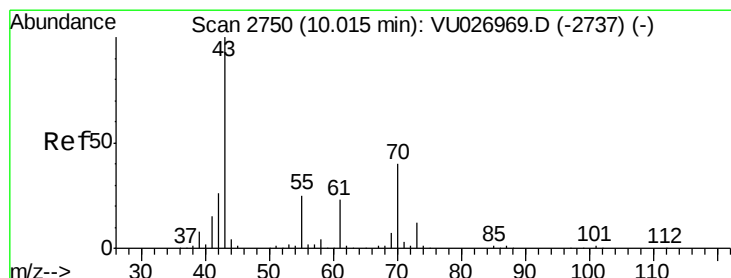
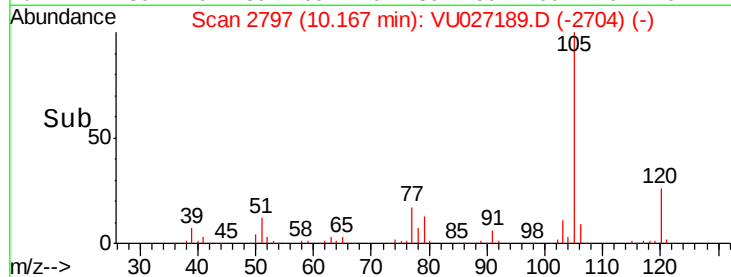
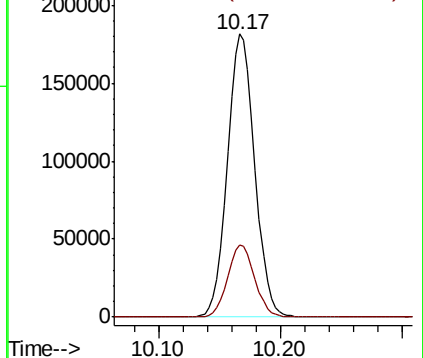
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 61.299 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027189.D

Acq: 26 Sep 2018 20:07

Tgt Ion: 43 Resp: 180475

Ion Ratio Lower Upper

43 100

70 37.8 31.8 47.8

55 23.6 19.9 29.9

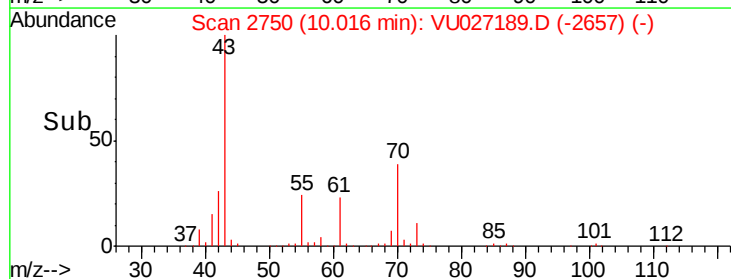
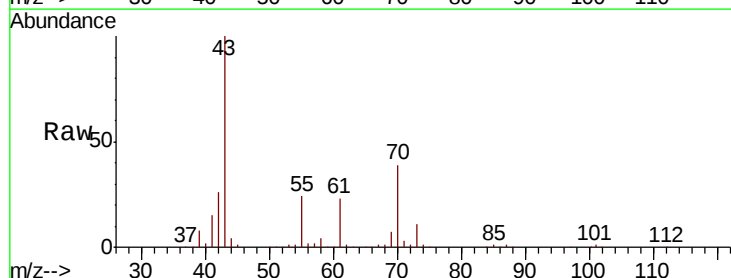
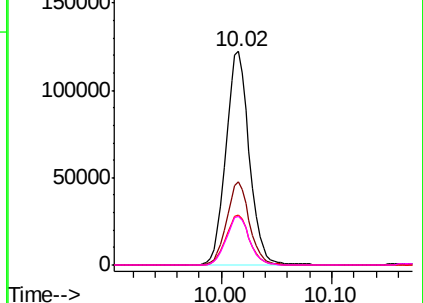
61 22.6 18.4 27.6

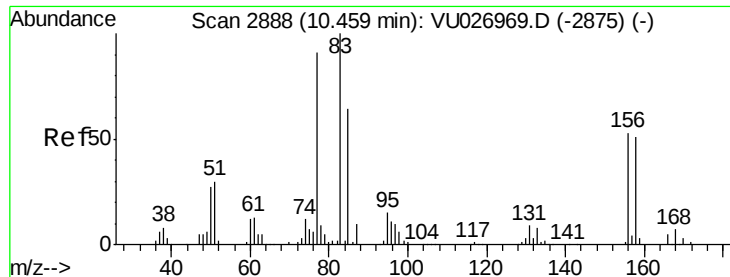
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.611 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027189.D

Acq: 26 Sep 2018 20:07

Instrument :

MSVOA_U

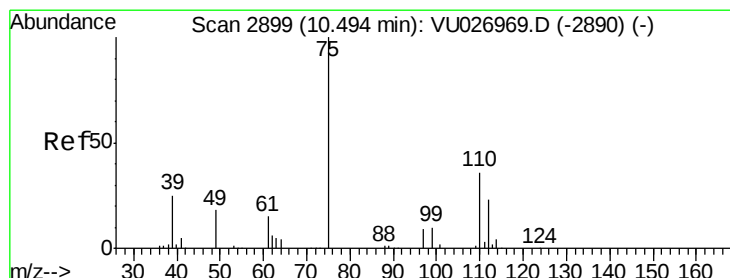
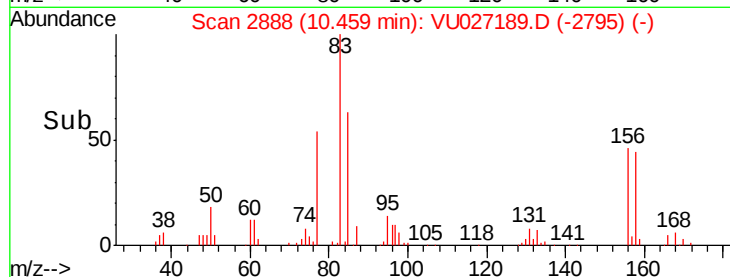
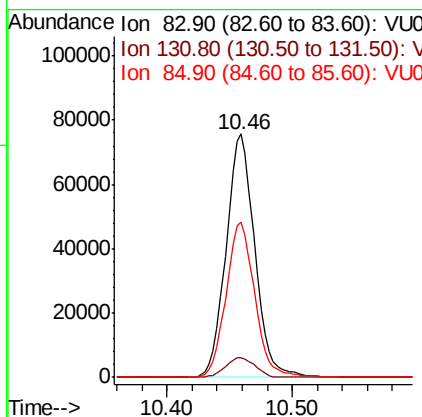
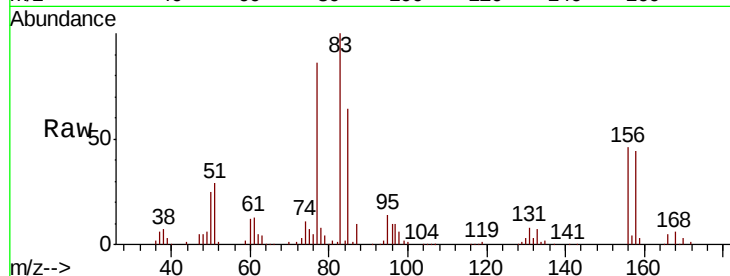
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	120695
Ion Ratio	Lower	Upper	
83	100		
131	8.3	4.3	12.8
85	63.9	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 56.758 ug/l m

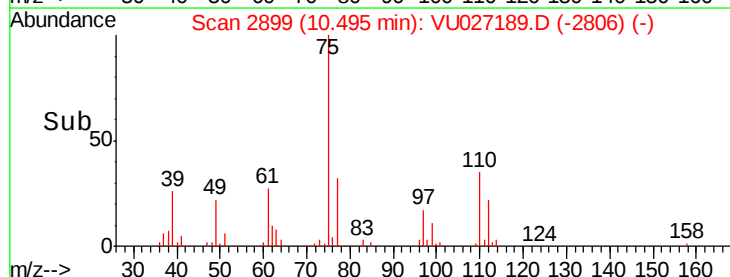
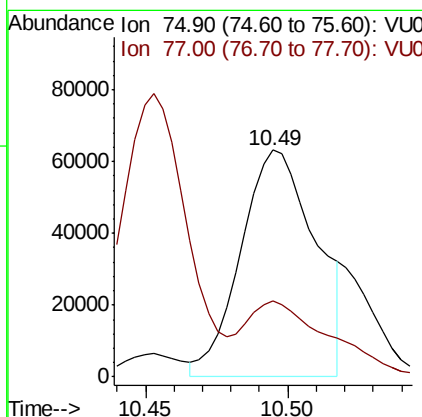
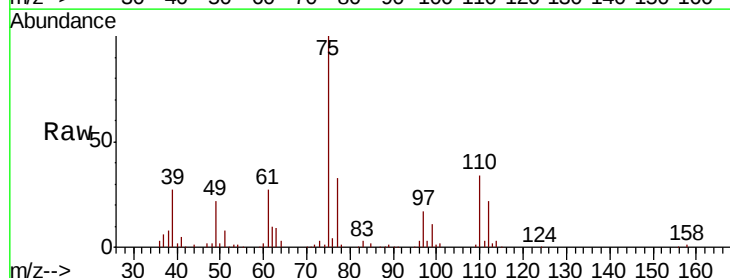
RT: 10.49 min Scan# 2899

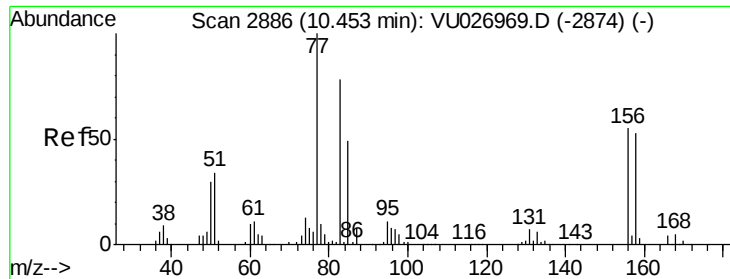
Delta R.T. 0.00 min

Lab File: VU027189.D

Acq: 26 Sep 2018 20:07

Tgt Ion:	75	Resp:	115294
Ion Ratio	Lower	Upper	
75	100		
77	38.7	20.9	62.8





#77

Bromobenzene

Concen: 51.755 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027189.D

Acq: 26 Sep 2018 20:07

Instrument :

MSVOA_U

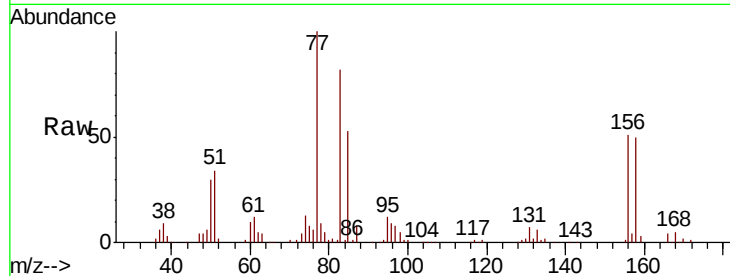
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	197.4	92.3	276.9	
158	97.1	48.1	144.3	

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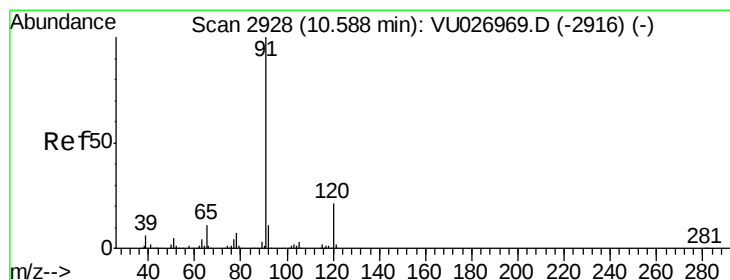
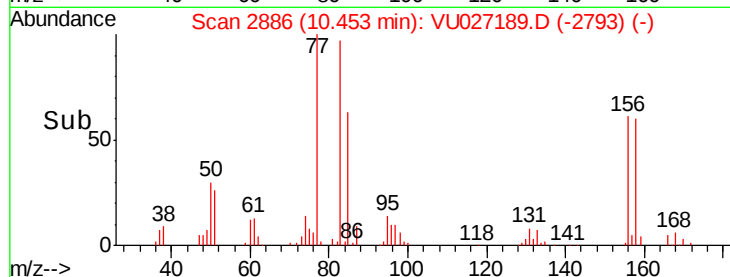
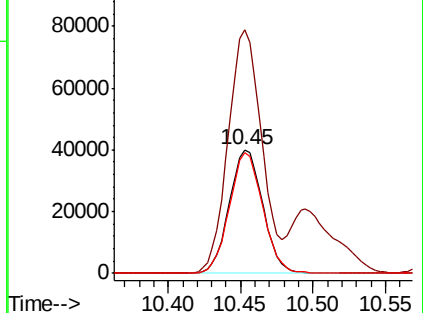
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 57.161 ug/l

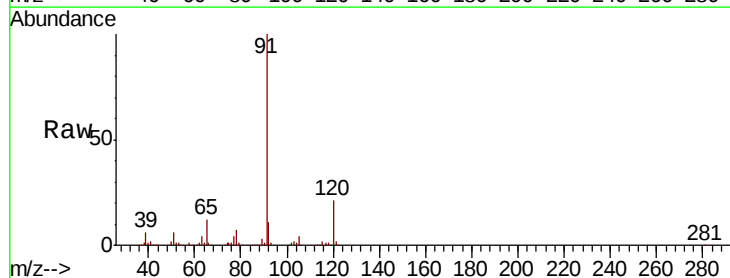
RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027189.D

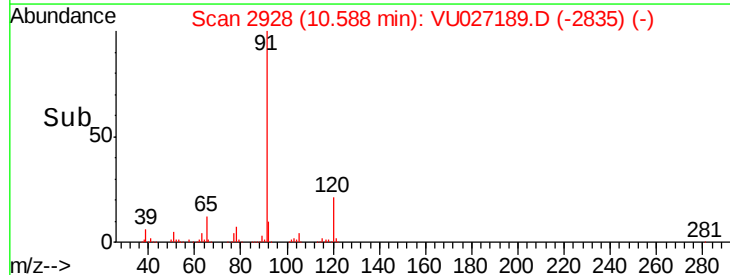
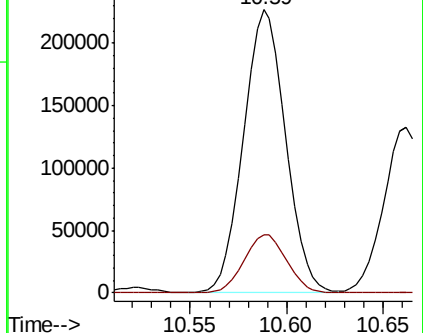
Acq: 26 Sep 2018 20:07

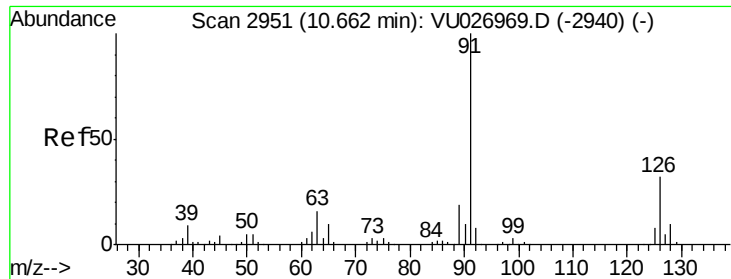
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.9	10.6	31.8	



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





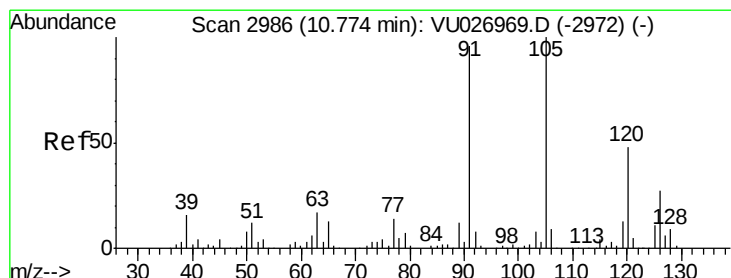
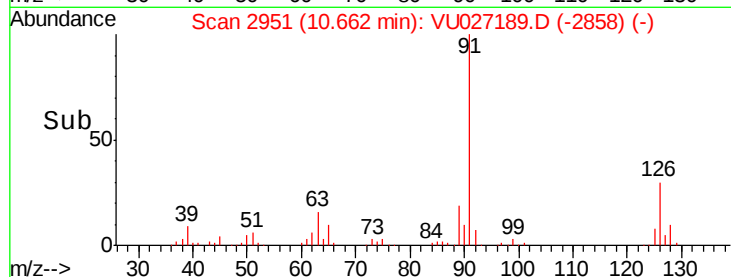
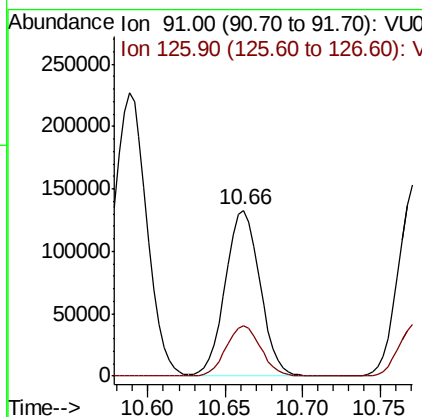
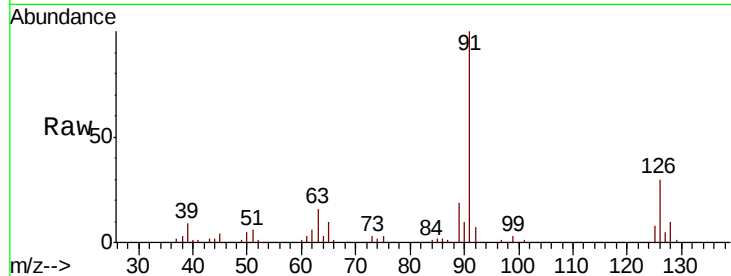
#79
 2-Chlorotoluene
 Concen: 54.724 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU027189.D
 Acq: 26 Sep 2018 20:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 206870
 Ion Ratio Lower Upper
 91 100
 126 30.3 15.8 47.3

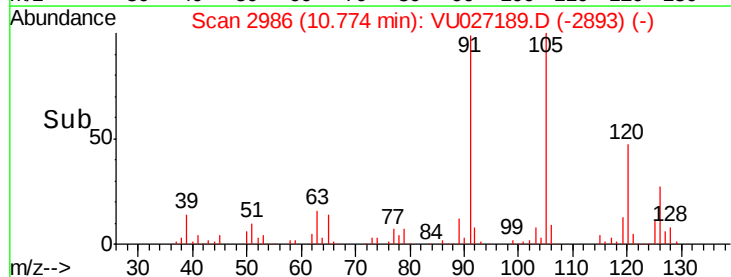
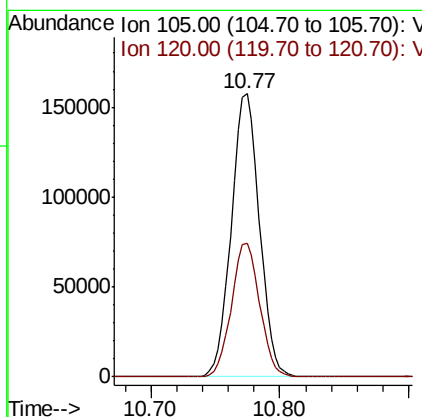
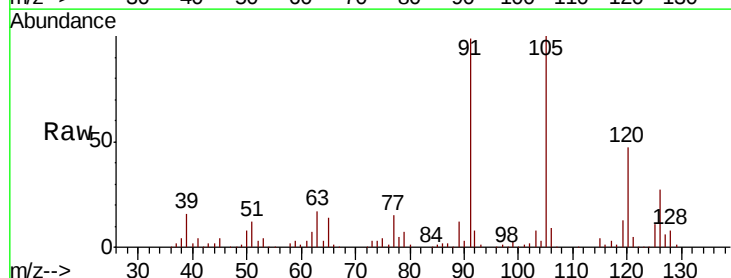
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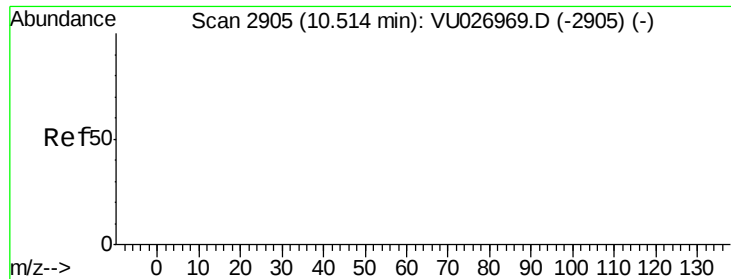
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#80
 1,3,5-Trimethylbenzene
 Concen: 56.837 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027189.D
 Acq: 26 Sep 2018 20:07

Tgt Ion: 105 Resp: 238636
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.9 71.7





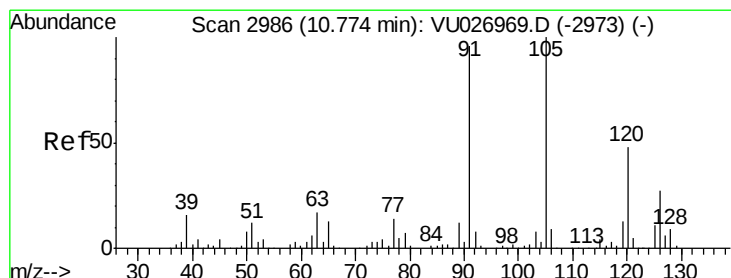
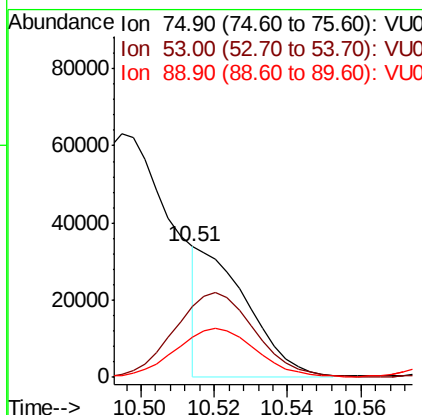
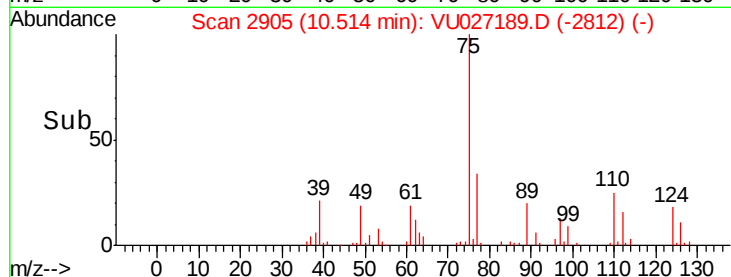
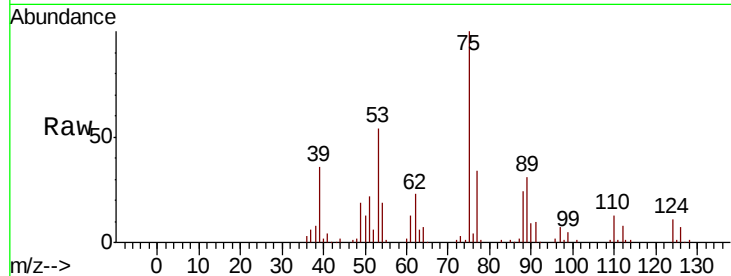
#81
trans-1,4-Dichloro-2-butene
Concen: 49.353 ug/l m
RT: 10.51 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

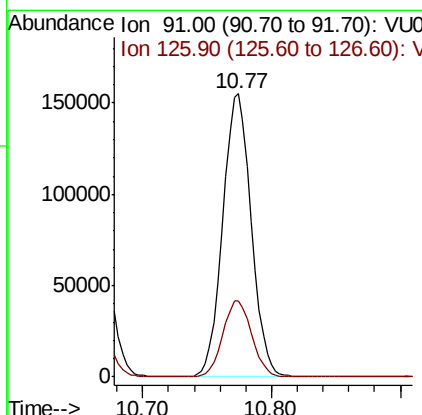
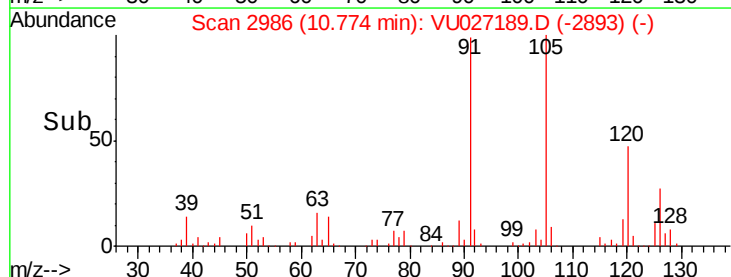
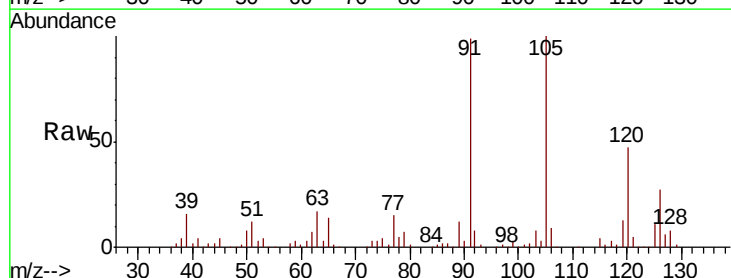
Manual Integrations
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#82
4-Chlorotoluene
Concen: 55.836 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.1	42.2





#83

tert-Butylbenzene

Concen: 54.922 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU027189.D

Acq: 26 Sep 2018 20:07

Instrument :

MSVOA_U

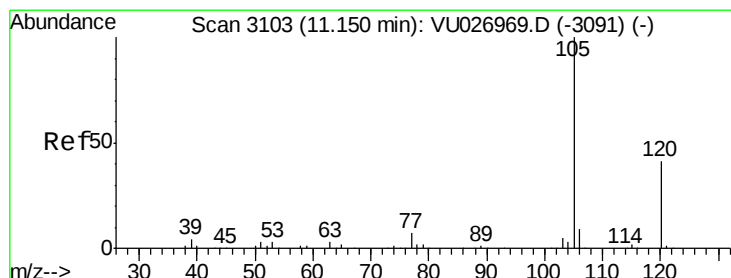
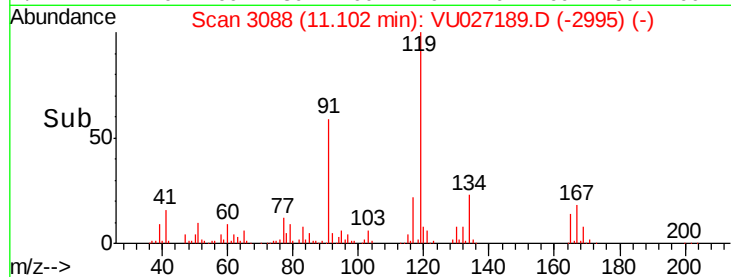
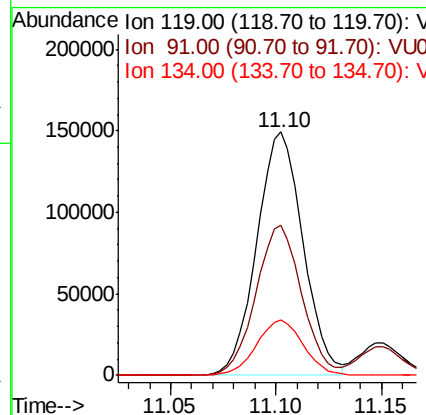
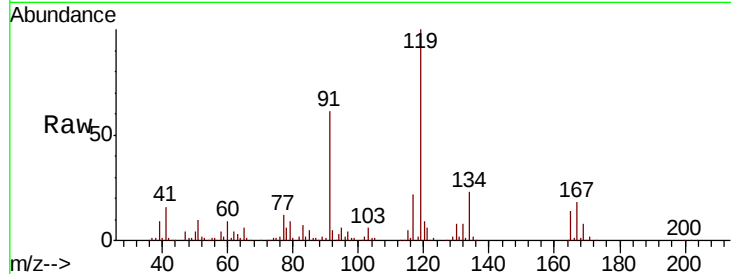
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		227981		
91	60.8	29.8	89.4		
134	22.8	11.5	34.4		

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 57.032 ug/l

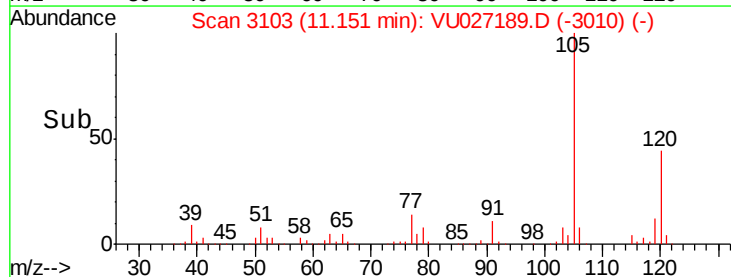
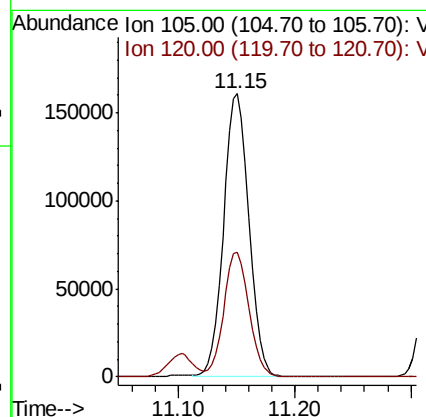
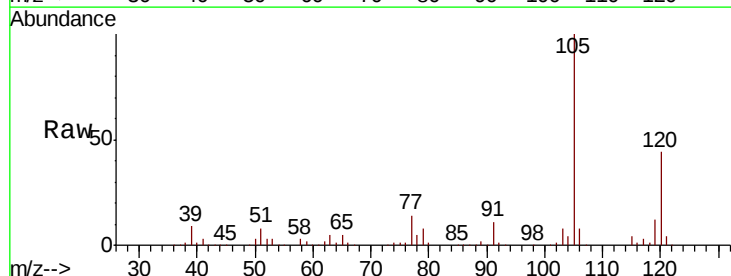
RT: 11.15 min Scan# 3103

Delta R.T. 0.00 min

Lab File: VU027189.D

Acq: 26 Sep 2018 20:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		243692		
120	43.9	22.4	67.2		





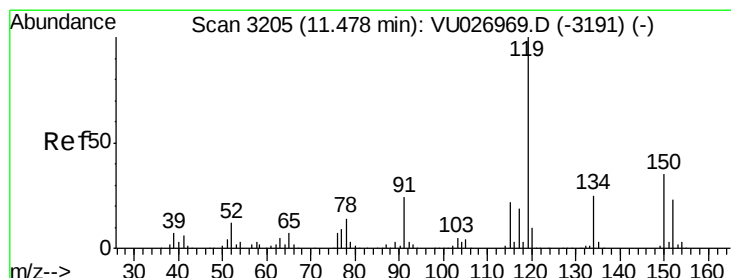
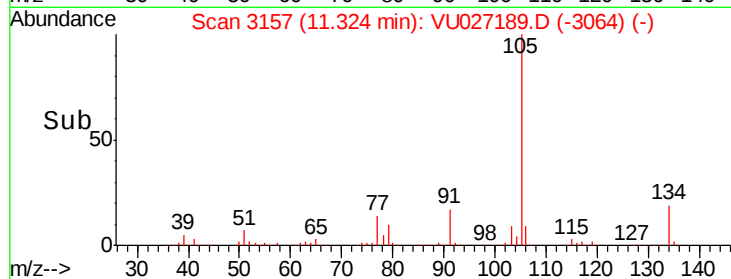
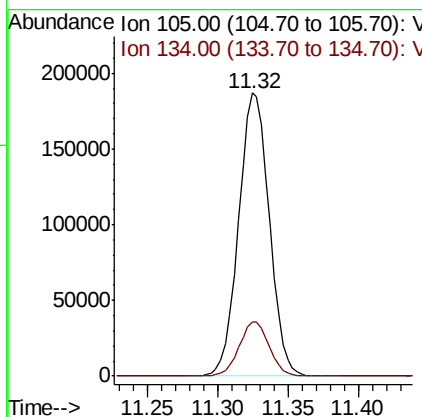
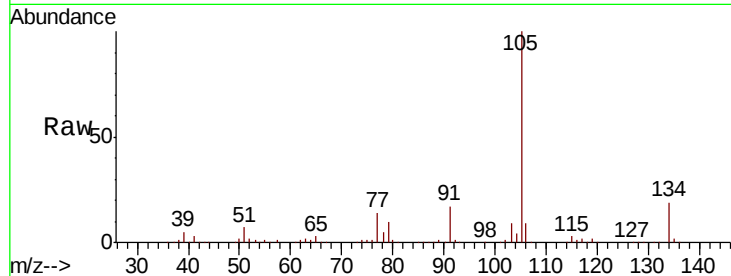
#85
 sec-Butylbenzene
 Concen: 56.192 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027189.D
 Acq: 26 Sep 2018 20:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.4	28.2

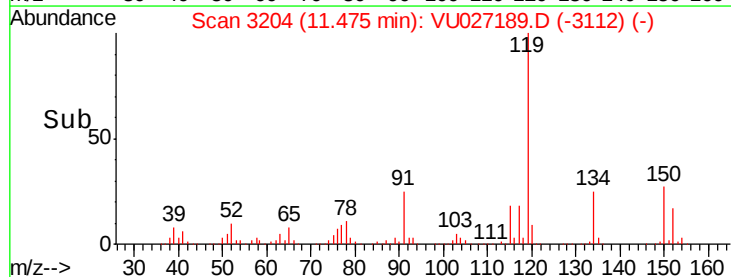
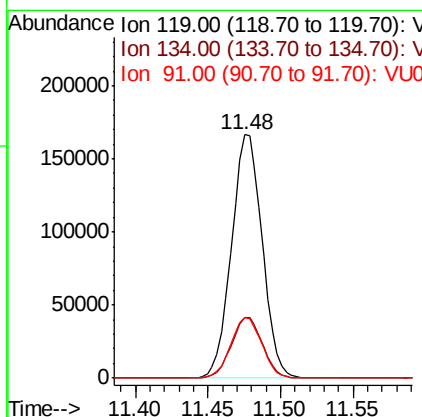
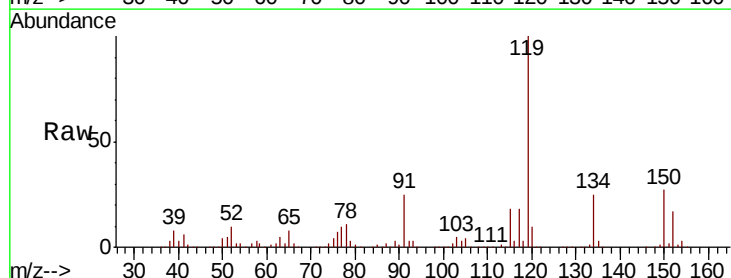
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 51.290 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027189.D
 Acq: 26 Sep 2018 20:07

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.8	38.3
91	25.2	12.3	36.8





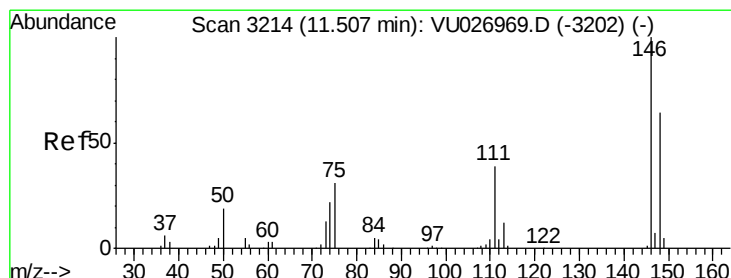
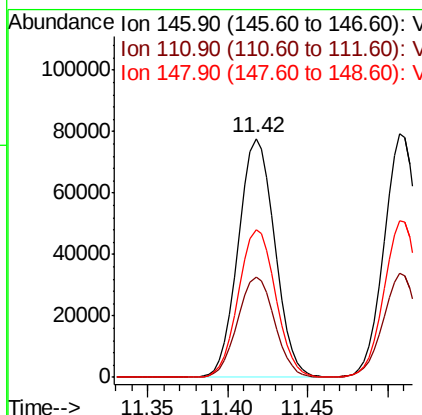
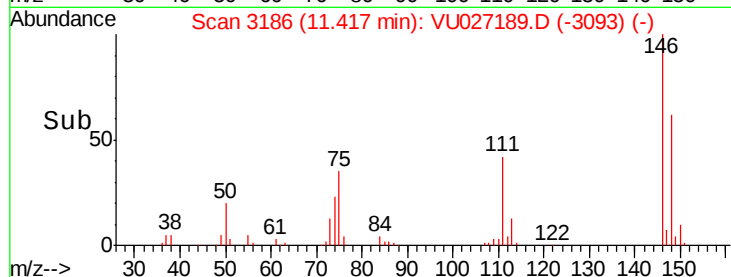
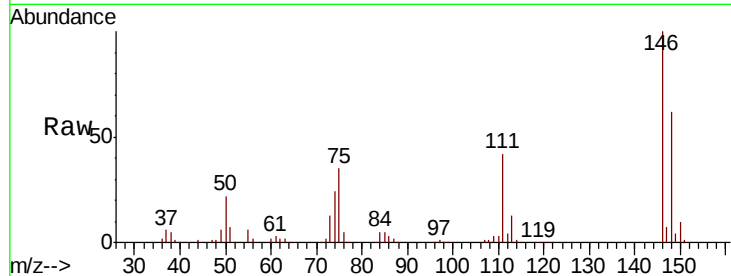
#87
 1,3-Dichlorobenzene
 Concen: 52.232 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027189.D
 Acq: 26 Sep 2018 20:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.8	62.2
148	63.0	32.0	96.2

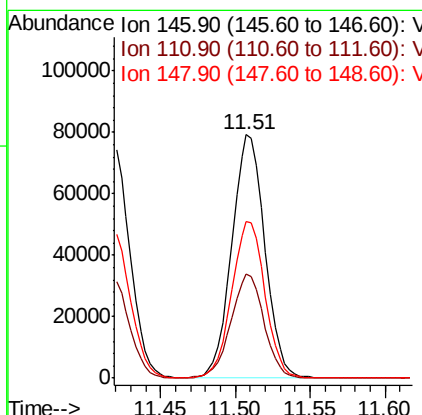
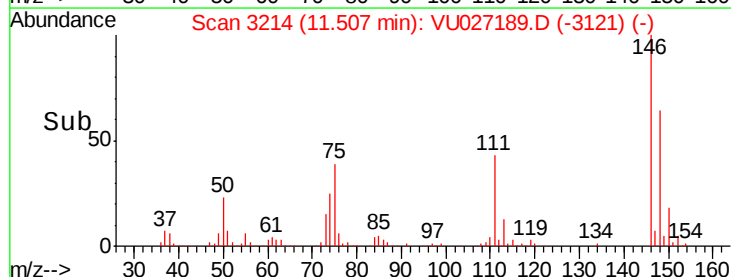
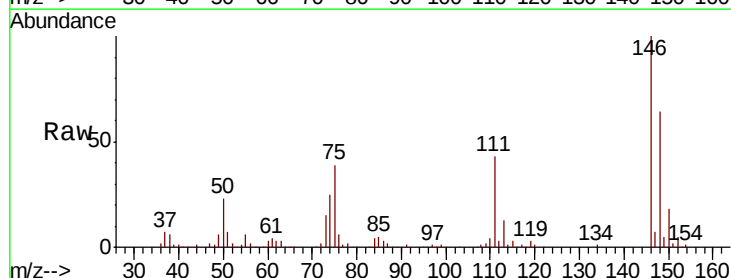
Manual Integrations
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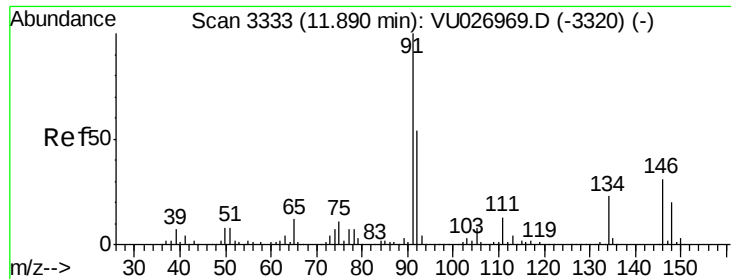
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 9/27/2018 3:33:23 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.235 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027189.D
 Acq: 26 Sep 2018 20:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.3	60.9
148	64.7	31.9	95.9





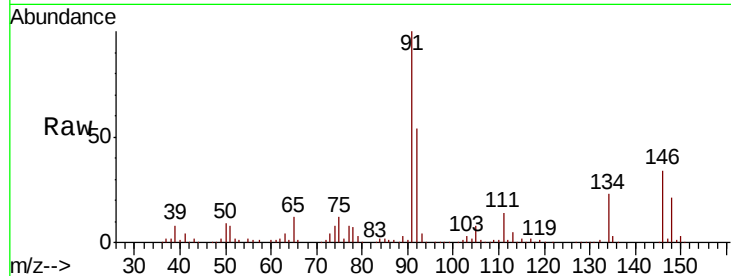
#89
n-Butylbenzene
Concen: 49.756 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.1	81.2
134	23.0	11.7	35.0

Manual Integrations
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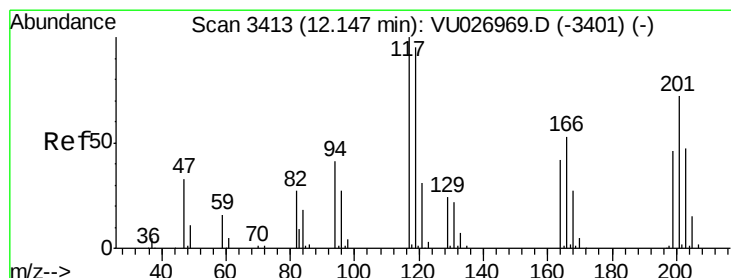
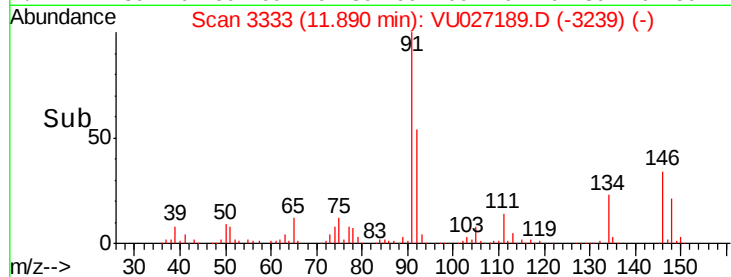
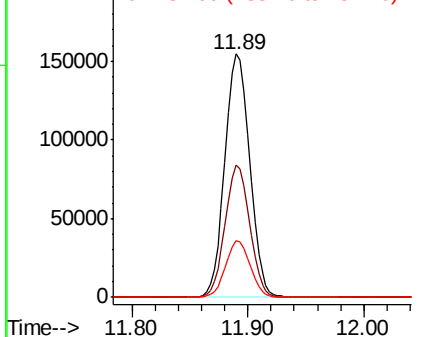


Abundance

Ion 91.00 (90.70 to 91.70): VU026969.D (-3320) (-)

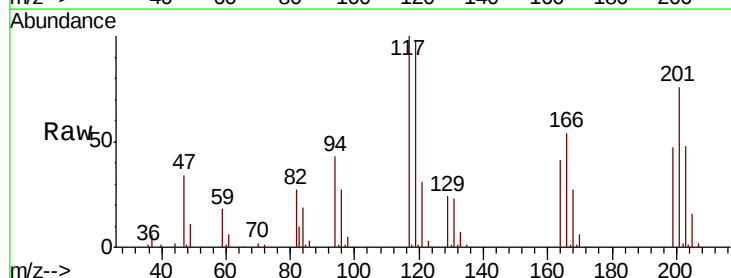
Ion 92.00 (91.70 to 92.70): VU026969.D (-3320) (-)

Ion 134.00 (133.70 to 134.70): VU026969.D (-3320) (-)



#90
Hexachloroethane
Concen: 50.110 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

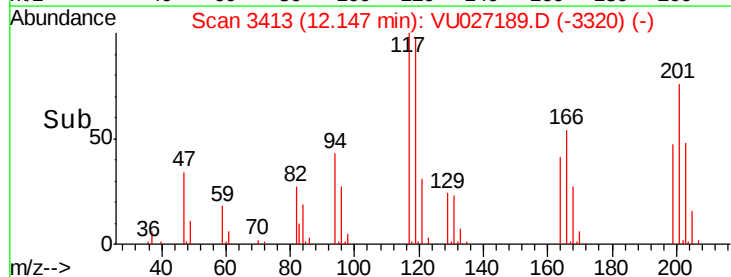
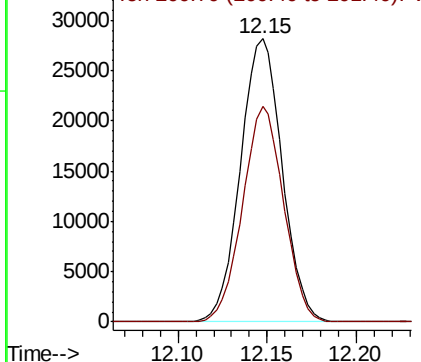
Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.6	36.8	110.3

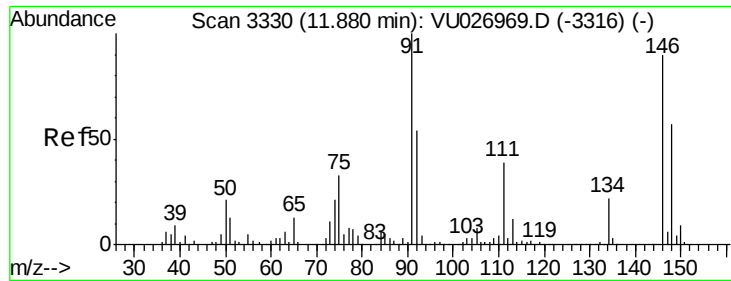


Abundance

Ion 116.80 (116.50 to 117.50): VU026969.D (-3401) (-)

Ion 200.70 (200.40 to 201.40): VU026969.D (-3401) (-)





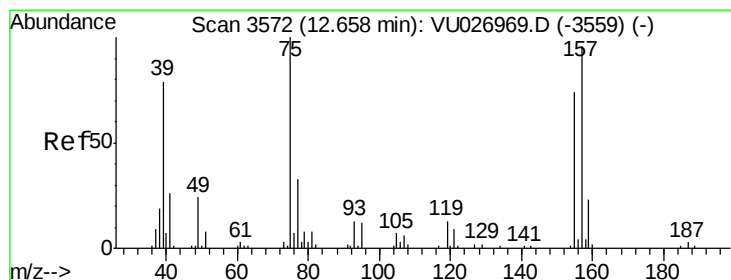
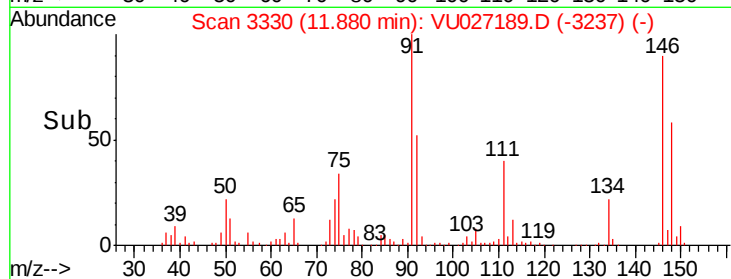
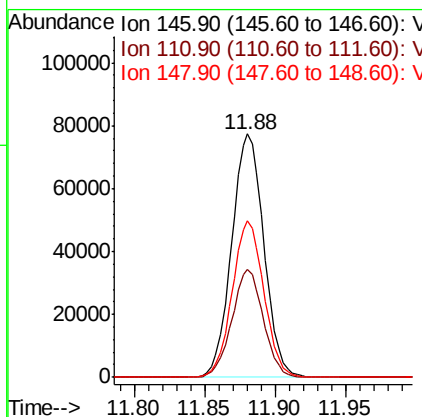
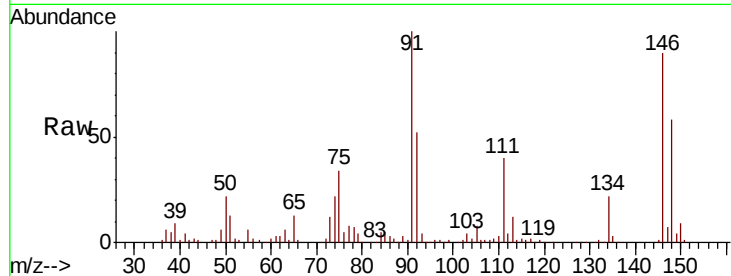
#91
 1,2-Dichlorobenzene
 Concen: 50.212 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027189.D
 Acq: 26 Sep 2018 20:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	43.3	21.8	65.3	
148	63.3	31.9	95.7	

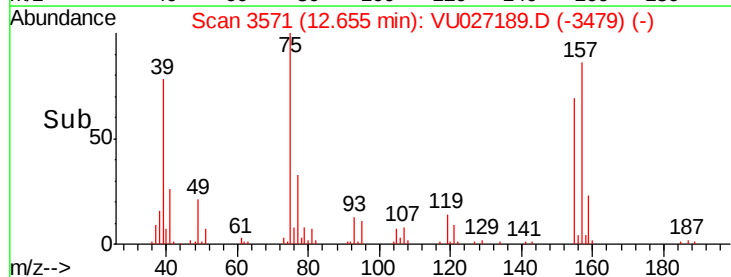
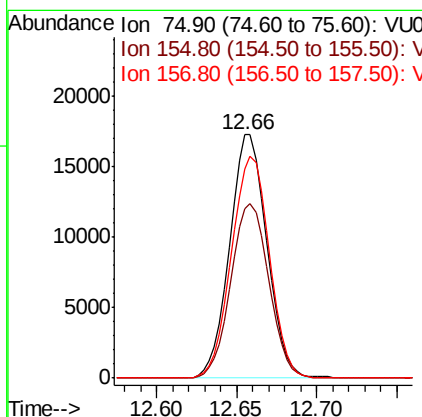
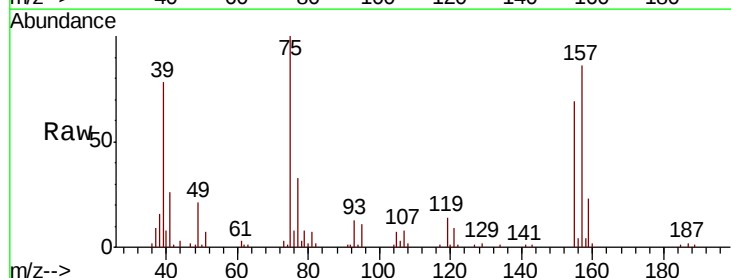
Manual Integrations
 APPROVED

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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.423 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027189.D
 Acq: 26 Sep 2018 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	73.0	36.6	109.8	
157	92.2	47.4	142.2	





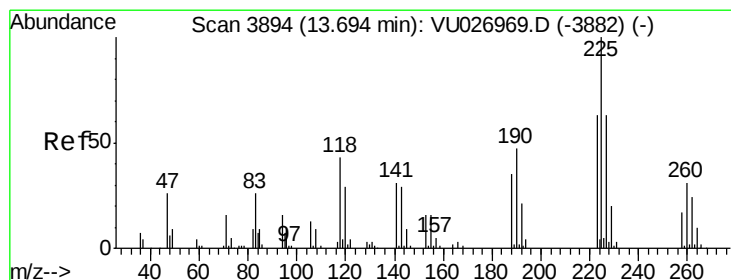
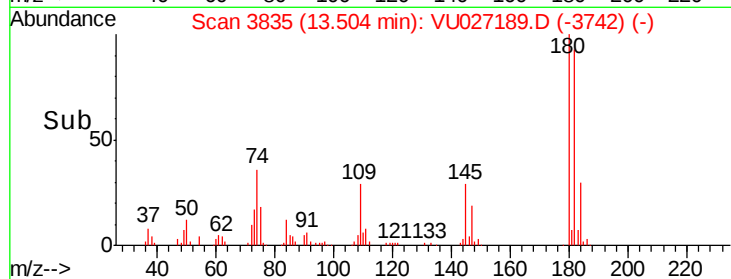
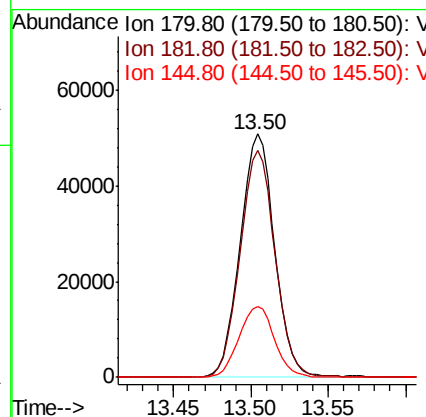
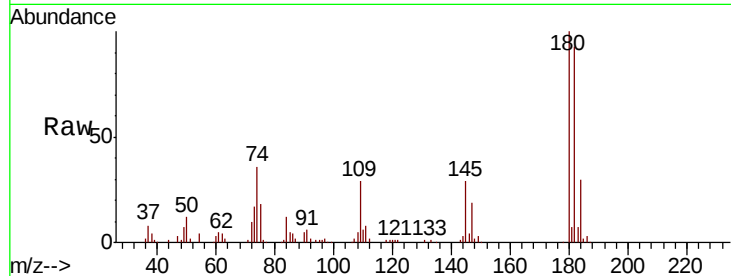
#93
 1,2,4-Trichlorobenzene
 Concen: 55.555 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027189.D
 Acq: 26 Sep 2018 20:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.4	142.2
145	29.8	14.9	44.5

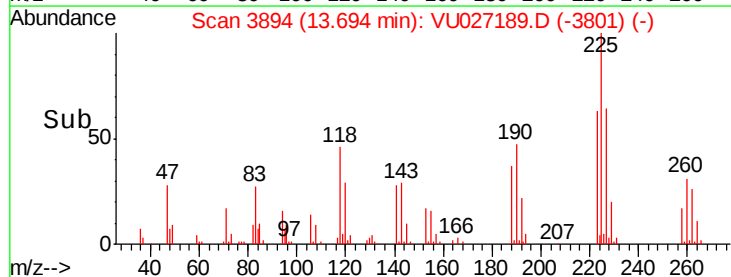
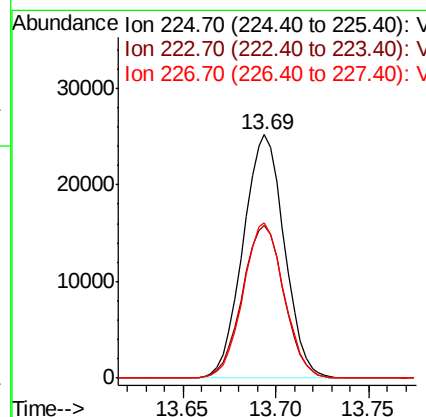
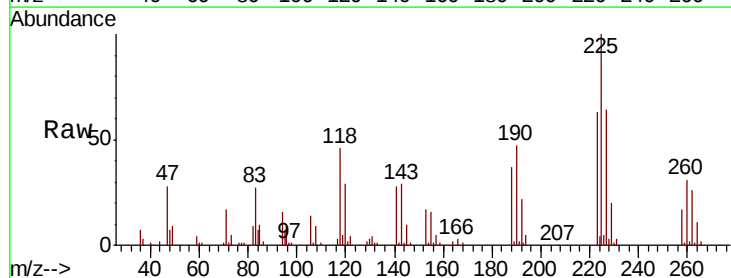
Manual Integrations
 APPROVED

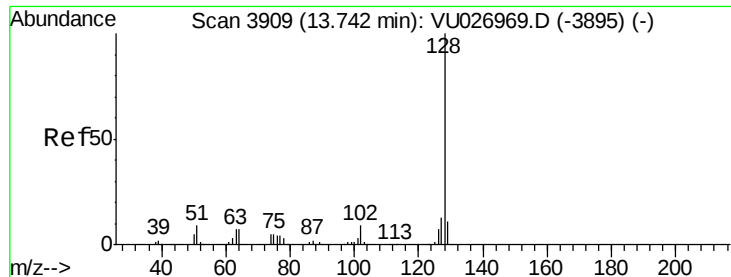
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 51.926 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027189.D
 Acq: 26 Sep 2018 20:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.9	95.7
227	62.8	32.1	96.5





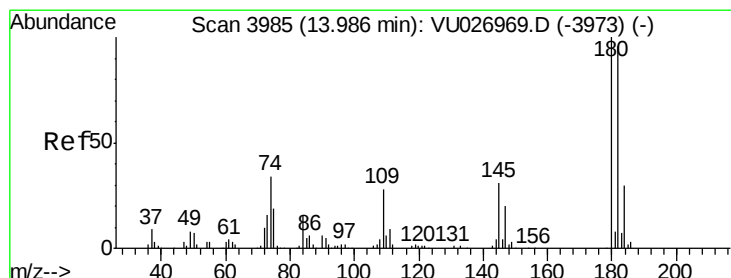
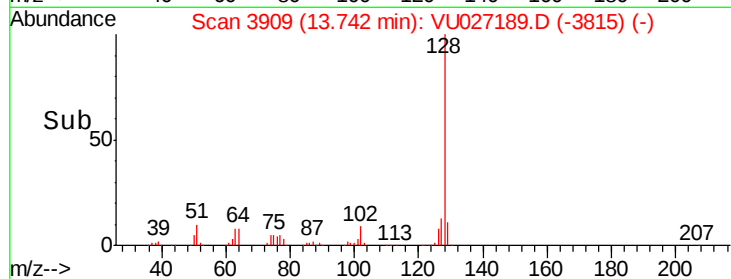
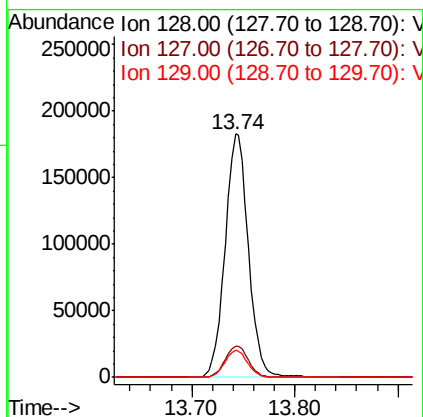
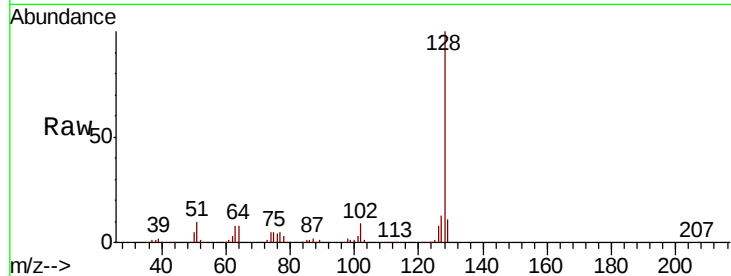
#95
Naphthalene
Concen: 51.889 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.9	8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 55.622 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027189.D
Acq: 26 Sep 2018 20:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.5
145	31.3	15.4	46.4

