

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025660.D
 Acq On : 27 Jul 2018 10:41
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 3:47:56 PM

Quant Time: Jul 28 02:08:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 12:00:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	169454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	253646	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	243914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	153543	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	55401	21.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.08%	
35) Dibromofluoromethane	4.89	113	45072	21.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.12%	
50) Toluene-d8	7.57	98	158014	21.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.14%	
62) 4-Bromofluorobenzene	10.31	95	57966	19.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	57153	32.59	ug/l	99
3) Chloromethane	1.33	50	51992	26.20	ug/l	97
4) Vinyl Chloride	1.41	62	47268	24.53	ug/l	99
5) Bromomethane	1.63	94	24721	17.56	ug/l	99
6) Chloroethane	1.70	64	27620	20.56	ug/l	98
7) Trichlorofluoromethane	1.89	101	69737	23.03	ug/l	99
8) Diethyl Ether	2.10	74	24650	21.69	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	39576	21.09	ug/l	100
10) Methyl Iodide	2.41	142	23707	12.94	ug/l	99
11) Tert butyl alcohol	2.82	59	57046	99.33	ug/l	100
12) 1,1-Dichloroethene	2.28	96	36920	21.49	ug/l	94
13) Acrolein	2.19	56	20424	53.76	ug/l	96
14) Allyl chloride	2.59	41	63950	20.53	ug/l	99
15) Acrylonitrile	2.94	53	118417	100.29	ug/l	99
16) Acetone	2.32	43	135508	95.32	ug/l	98
17) Carbon Disulfide	2.48	76	115506	21.71	ug/l	100
18) Methyl Acetate	2.62	43	67282	24.96	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	132001	20.20	ug/l	99
20) Methylene Chloride	2.71	84	46108	19.74	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	41648	21.22	ug/l	98
22) Diisopropyl ether	3.57	45	132162	20.77	ug/l	97
23) Vinyl Acetate	3.53	43	566638	101.53	ug/l	100
24) 1,1-Dichloroethane	3.45	63	79083	22.04	ug/l	99
25) 2-Butanone	4.27	43	182197	99.85	ug/l	99
26) 2,2-Dichloropropane	4.23	77	74156	21.50	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	47452	20.89	ug/l	100
28) Bromochloromethane	4.55	49	34166	19.72	ug/l	99
29) Tetrahydrofuran	4.64	42	108117	98.78	ug/l	98
30) Chloroform	4.68	83	83365	21.94	ug/l	99
31) Cyclohexane	5.00	56	69583	17.46	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	75325	21.87	ug/l	97
36) 1,1-Dichloropropene	5.14	75	59864	21.23	ug/l	99
37) Ethyl Acetate	4.38	43	64518	20.52	ug/l	99
38) Carbon Tetrachloride	5.14	117	68146	22.45	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	66664	18.95	ug/l	98
40) Benzene	5.39	78	174617	21.49	ug/l	99
41) Methacrylonitrile	4.54	41	34542	19.81	ug/l	98
42) 1,2-Dichloroethane	5.41	62	69556	21.53	ug/l	100
43) Isopropyl Acetate	5.55	43	103969	20.64	ug/l	99
44) Trichloroethene	6.19	130	48593	20.83	ug/l	97
45) 1,2-Dichloropropane	6.44	63	45542	21.40	ug/l	94
46) Dibromomethane	6.56	93	32422	20.93	ug/l	98
47) Bromodichloromethane	6.76	83	62128	21.59	ug/l	97
48) Methyl methacrylate	6.63	41	50847	20.25	ug/l	98
49) 1,4-Dioxane	6.62	88	23545	389.75	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	327611	100.09	ug/l	99
52) Toluene	7.64	92	109117	21.11	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	70207	22.21	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	73435	21.83	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	45435	21.10	ug/l	98
56) Ethyl methacrylate	8.02	69	62817	18.68	ug/l	100
57) 1,3-Dichloropropane	8.25	76	75833	21.22	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	133603	112.58	ug/l	100
59) 2-Hexanone	8.36	43	254657	95.92	ug/l	99
60) Dibromochloromethane	8.48	129	51682	22.23	ug/l	99
61) 1,2-Dibromoethane	8.59	107	50217	21.80	ug/l	99
64) Tetrachloroethene	8.23	164	43343	19.49	ug/l	97
65) Chlorobenzene	9.12	112	127859	20.98	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	48349	22.18	ug/l	98
67) Ethyl Benzene	9.25	91	211704	20.38	ug/l	96
68) m/p-Xylenes	9.38	106	163809	40.79	ug/l	99
69) o-Xylene	9.78	106	79148	19.68	ug/l	99
70) Styrene	9.80	104	129157	20.22	ug/l	99
71) Bromoform	9.96	173	38386	20.36	ug/l #	97
73) Isopropylbenzene	10.17	105	215500	18.37	ug/l	100
74) N-amyl acetate	10.01	43	87335	17.15	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	73721	19.21	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	65239m	18.66	ug/l	
77) Bromobenzene	10.45	156	56711	18.90	ug/l	98
78) n-propylbenzene	10.59	91	251434	19.31	ug/l	100
79) 2-Chlorotoluene	10.66	91	148396	18.21	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	185931	18.84	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	23500m	19.21	ug/l	
82) 4-Chlorotoluene	10.78	91	176237	19.12	ug/l	99
83) tert-Butylbenzene	11.10	119	179773	18.02	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	187472	18.53	ug/l	98
85) sec-Butylbenzene	11.33	105	223512	19.03	ug/l	100
86) p-Isopropyltoluene	11.48	119	197913	19.03	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	108458	19.77	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	110997	19.70	ug/l	98
89) n-Butylbenzene	11.89	91	179416	20.99	ug/l	99
90) Hexachloroethane	12.15	117	33046	18.77	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	106608	19.25	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	17092	18.36	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	71665	19.75	ug/l	98
94) Hexachlorobutadiene	13.70	225	36949	18.65	ug/l	98
95) Naphthalene	13.75	128	209799	16.80	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	74248	18.97	ug/l	100

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

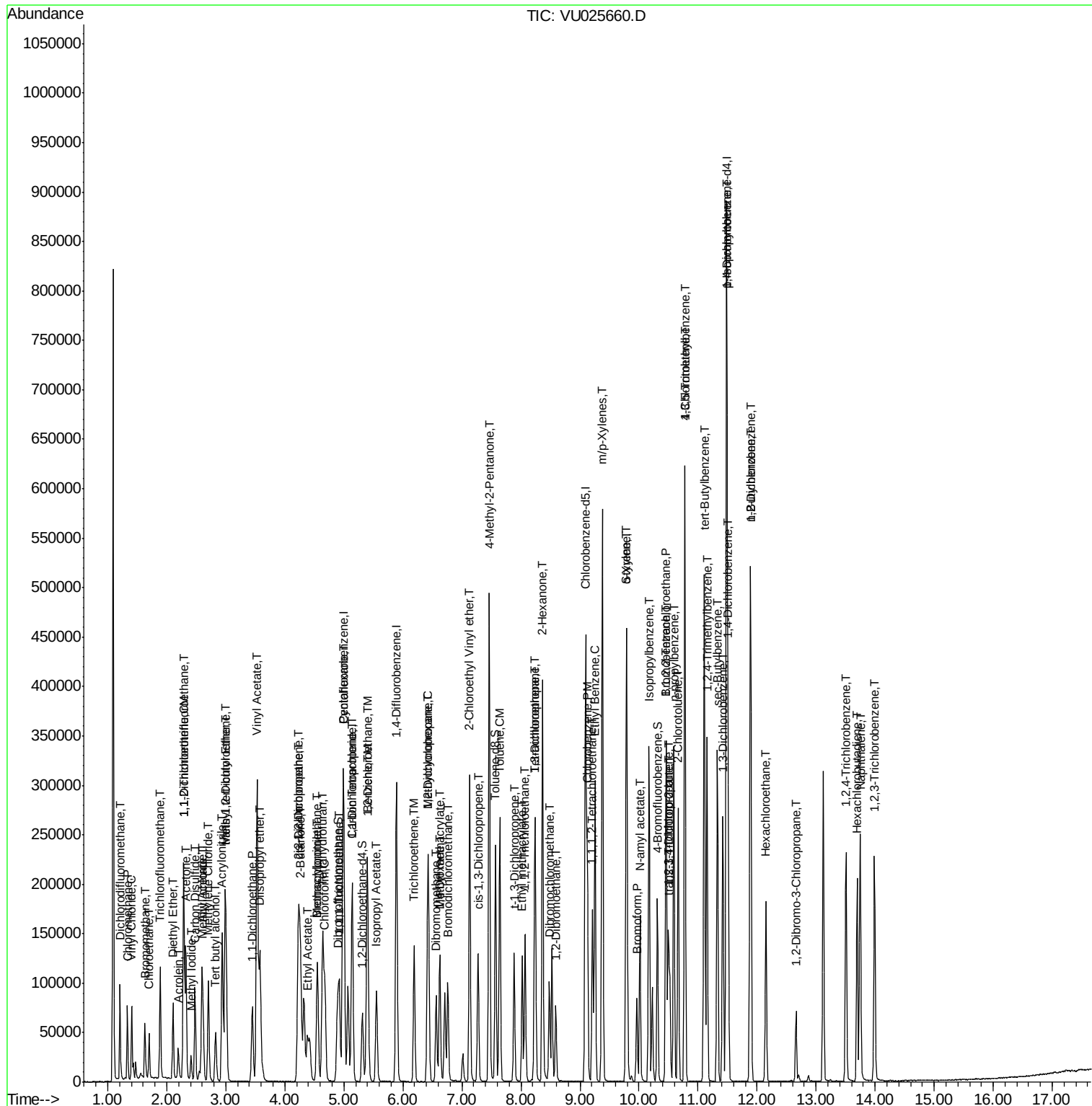
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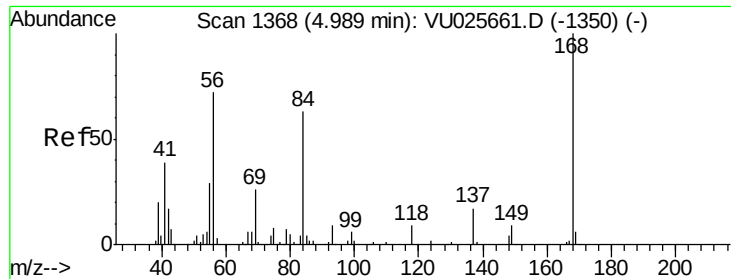
Instrument :
MSVOA_U
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 169454

Ion Ratio Lower Upper

168 100

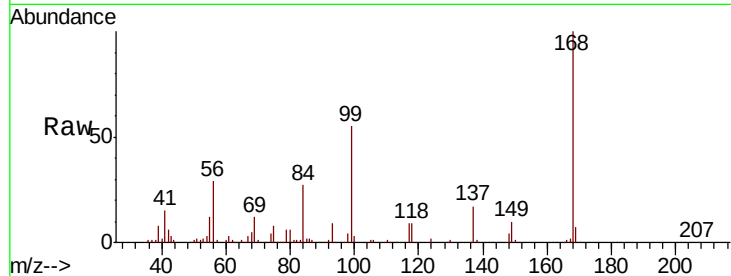
99 54.7 42.8 64.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU025660.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025660.D (-1350) (-)

80000

60000

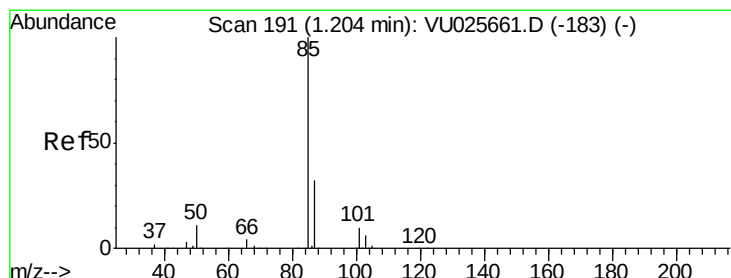
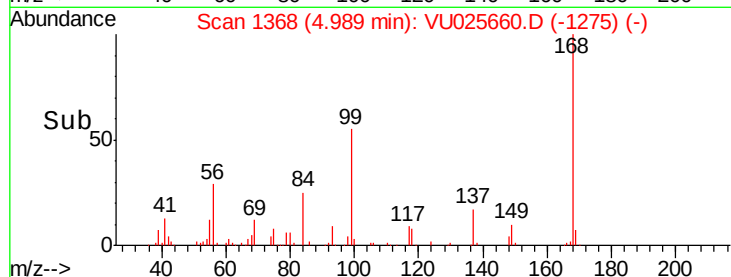
40000

20000

0

4.90 4.99 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 32.59 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025660.D

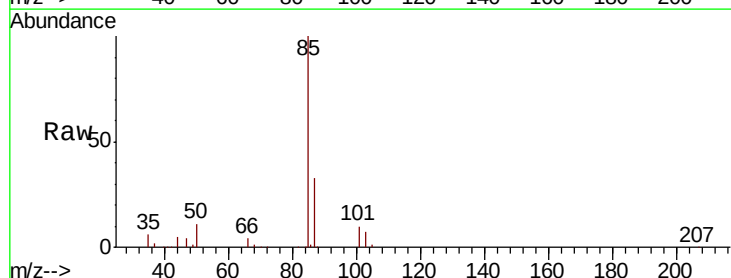
Acq: 27 Jul 2018 10:41

Tgt Ion: 85 Resp: 57153

Ion Ratio Lower Upper

85 100

87 33.3 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025660.D (-98) (-)

Ion 86.90 (86.60 to 87.60): VU025660.D (-98) (-)

60000

50000

40000

30000

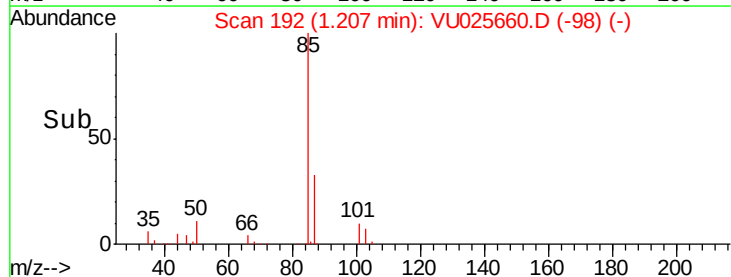
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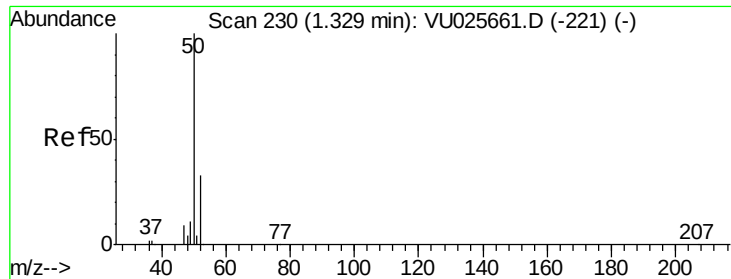
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 26.20 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 51992

Ion Ratio Lower Upper

50 100

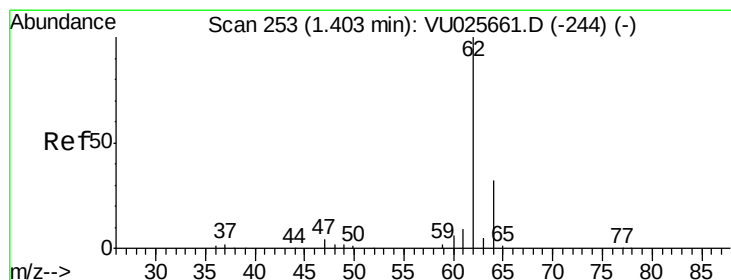
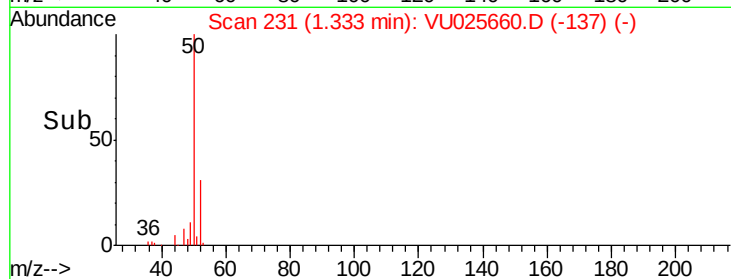
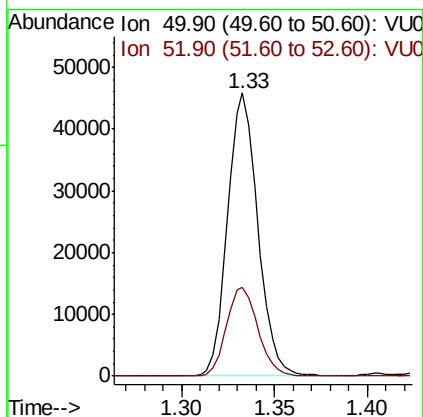
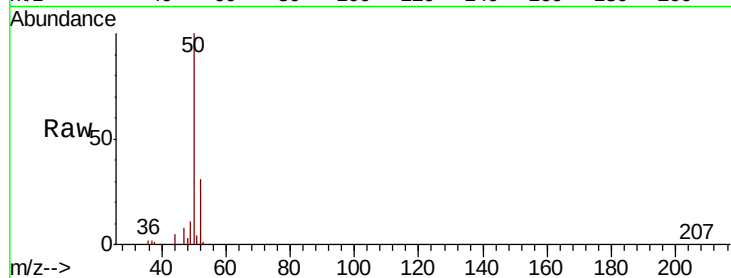
52 31.4 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 24.53 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025660.D

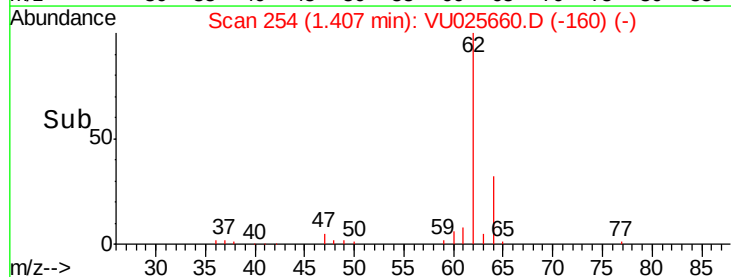
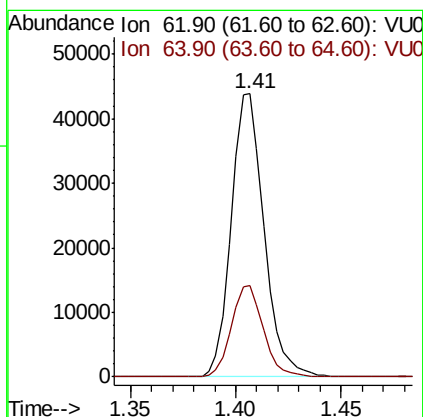
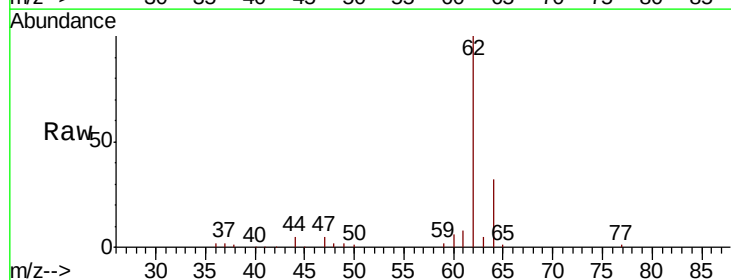
Acq: 27 Jul 2018 10:41

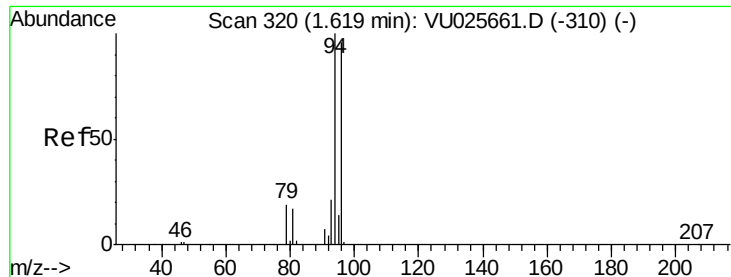
Tgt Ion: 62 Resp: 47268

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.0





#5

Bromomethane

Concen: 17.56 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 24721

Ion Ratio Lower Upper

94 100

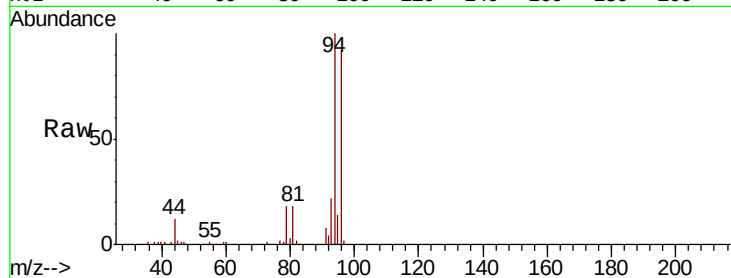
96 92.3 75.0 112.4

Manual Integrations

APPROVED

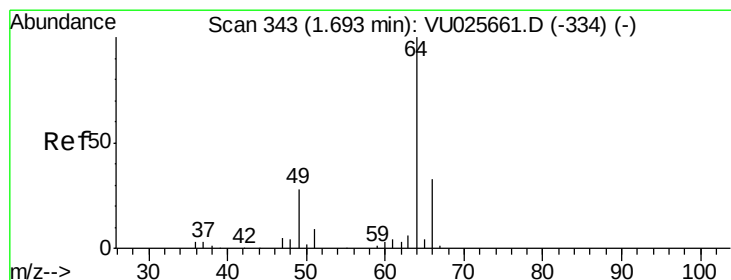
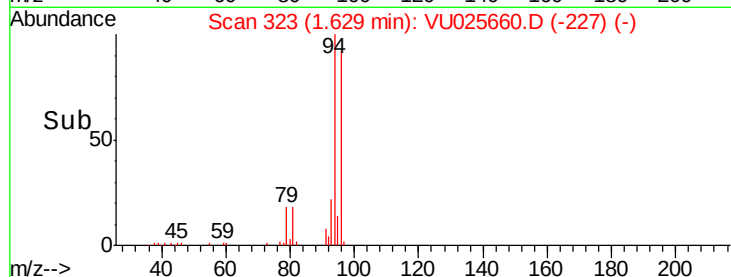
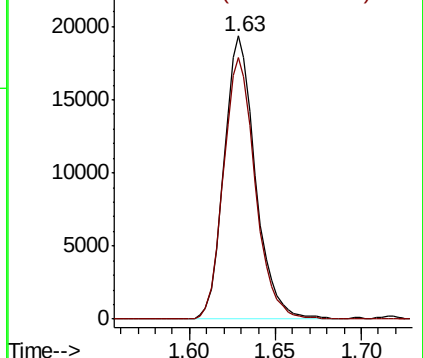
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 20.56 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025660.D

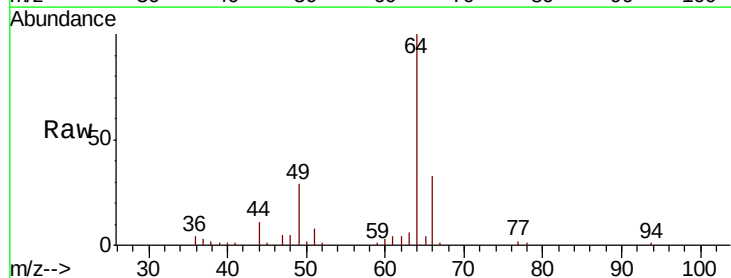
Acq: 27 Jul 2018 10:41

Tgt Ion: 64 Resp: 27620

Ion Ratio Lower Upper

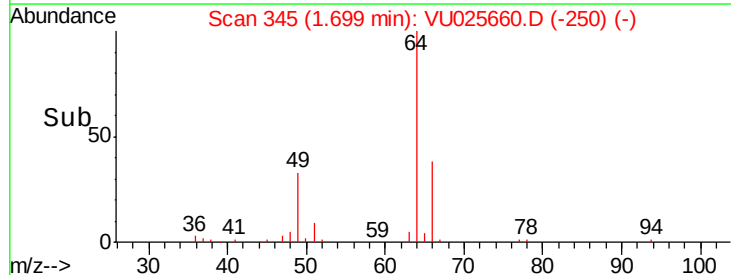
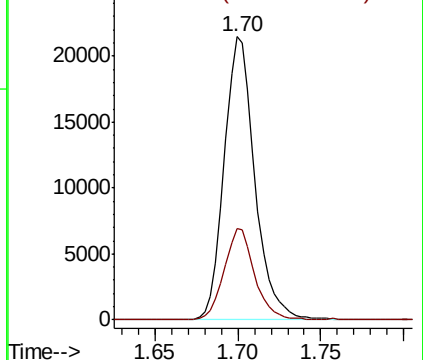
64 100

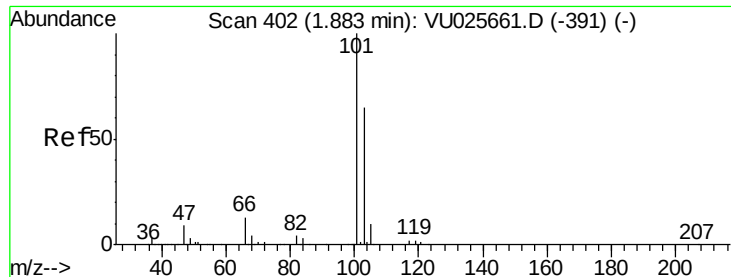
66 32.5 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

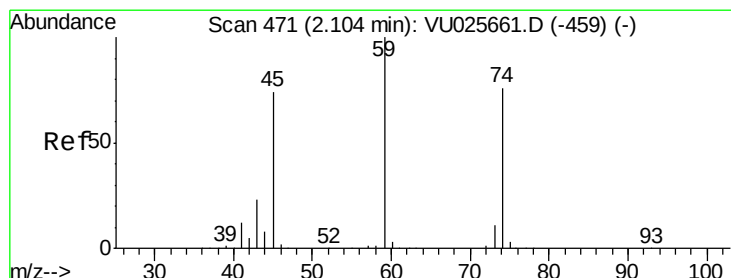
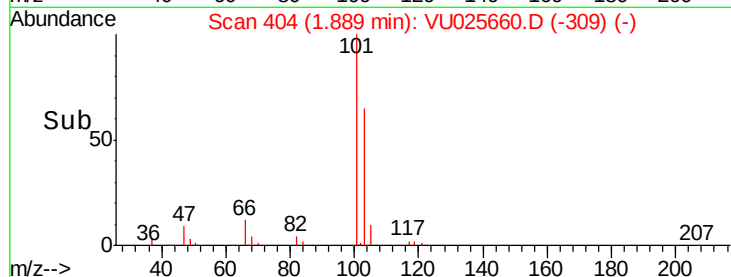
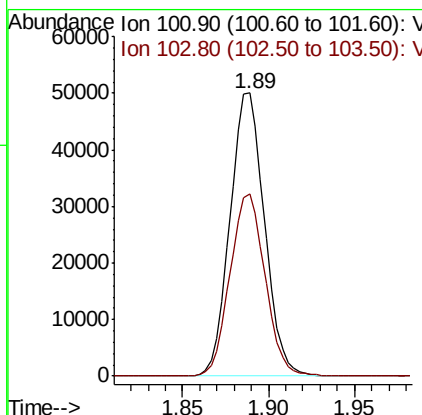
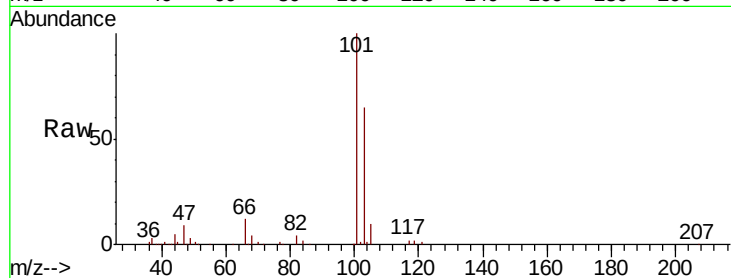
Trichlorofluoromethane
Concen: 23.03 ug/l
RT: 1.89 min Scan# 404
Delta R.T. 0.01 min
Lab File: VU025660.D
Acq: 27 Jul 2018 10:41

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		69737		
103	64.5	52.2	78.2		

Manual Integrations
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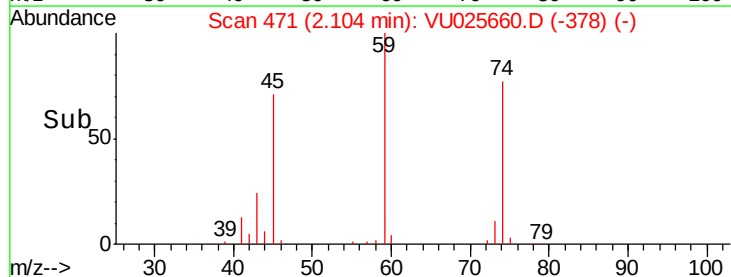
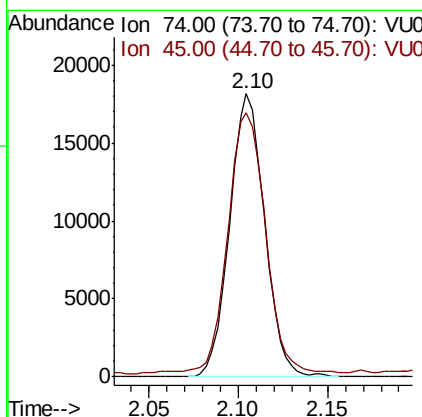
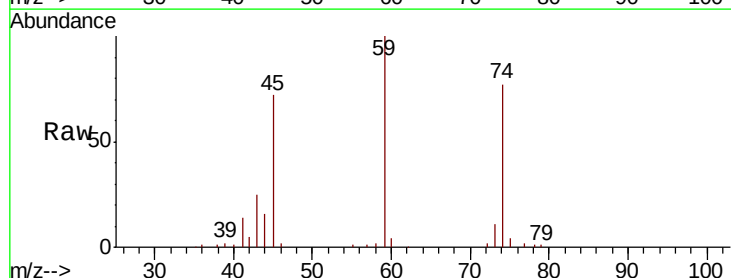
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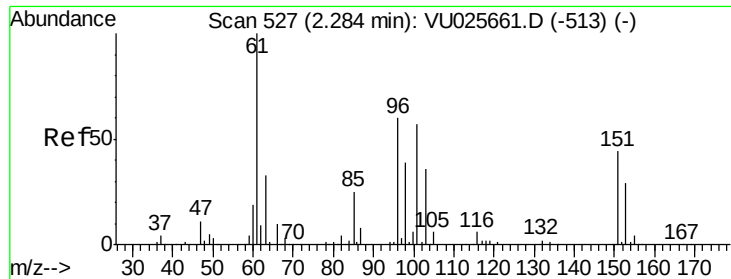


#8

Diethyl Ether
Concen: 21.69 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025660.D
Acq: 27 Jul 2018 10:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		24650		
45	98.7	48.3	144.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.09 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Instrument :

MSVOA_U

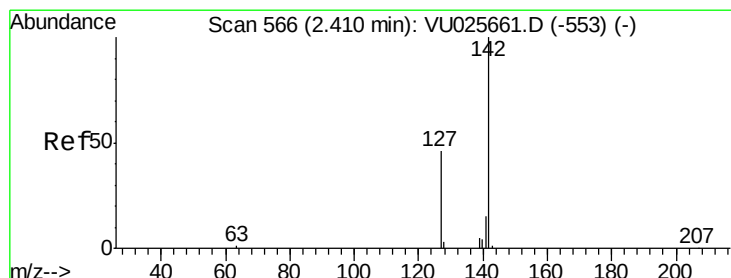
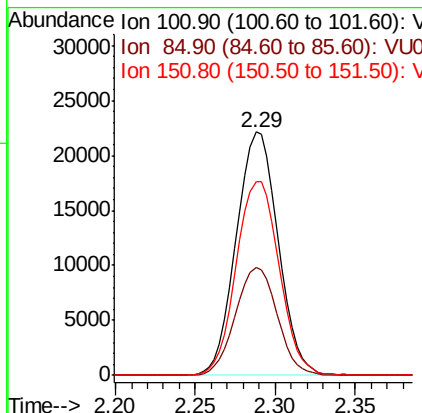
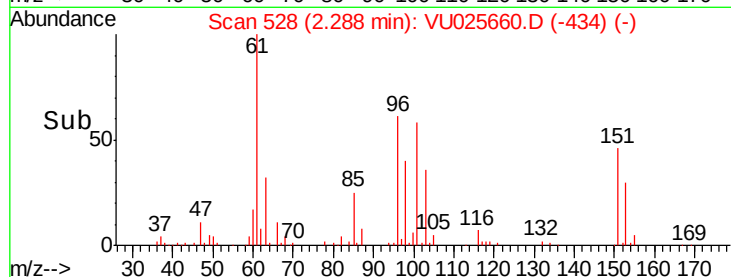
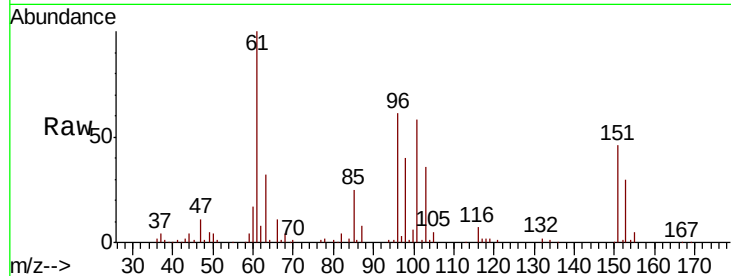
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	39576
Ion Ratio	Lower	Upper	
101	100		
85	44.1	36.0	54.0
151	82.0	65.6	98.4

Manual Integrations
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MMDadoda
7/31/2018 3:47:56 PM



#10

Methyl Iodide

Concen: 12.94 ug/l

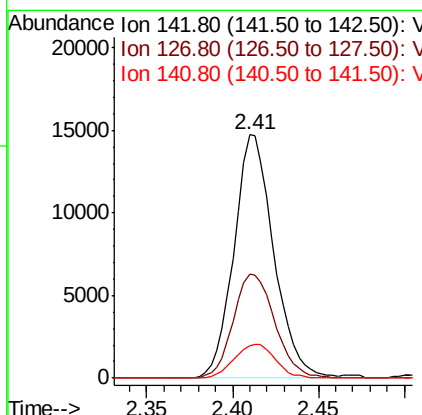
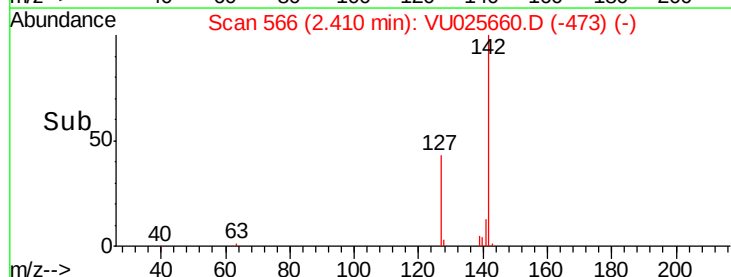
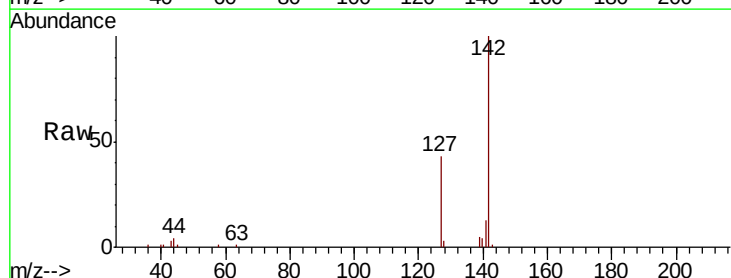
RT: 2.41 min Scan# 566

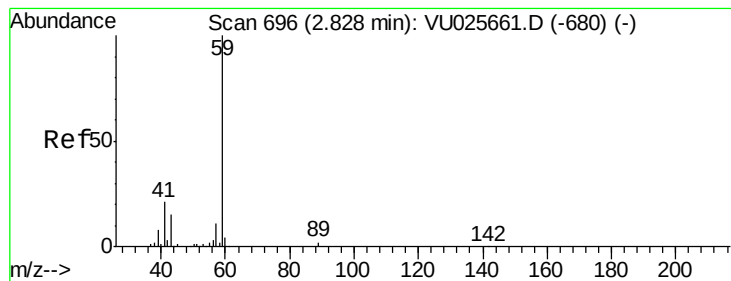
Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Tgt Ion:	142	Resp:	23707
Ion Ratio	Lower	Upper	
142	100		
127	44.4	36.5	54.7
141	14.1	11.4	17.2





#11

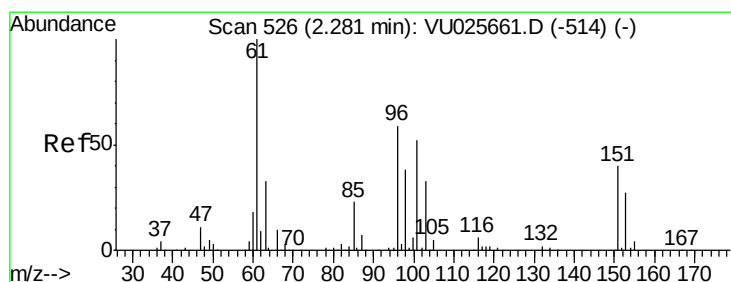
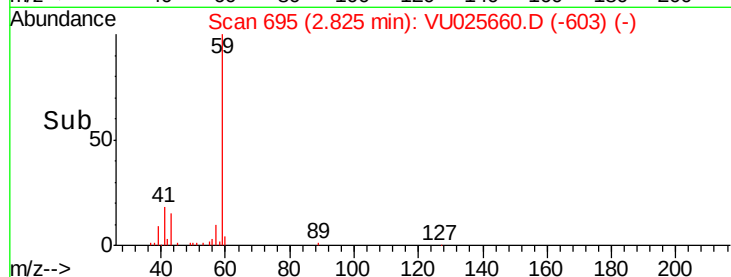
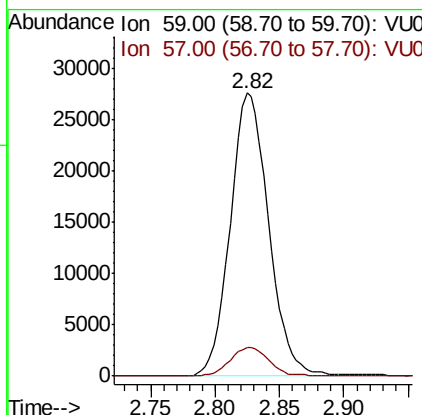
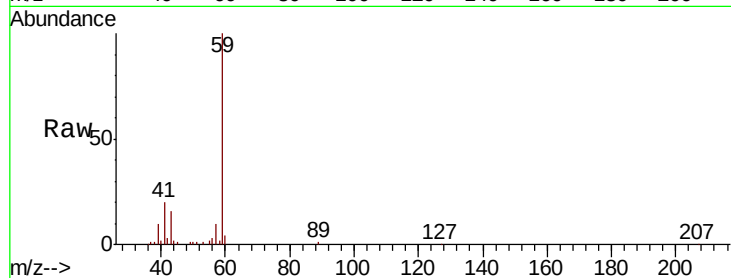
Tert butyl alcohol
Concen: 99.33 ug/l
RT: 2.82 min Scan# 695
Delta R.T. -0.00 min
Lab File: VU025660.D
Acq: 27 Jul 2018 10:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	59	Resp	57046
Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

Manual Integrations
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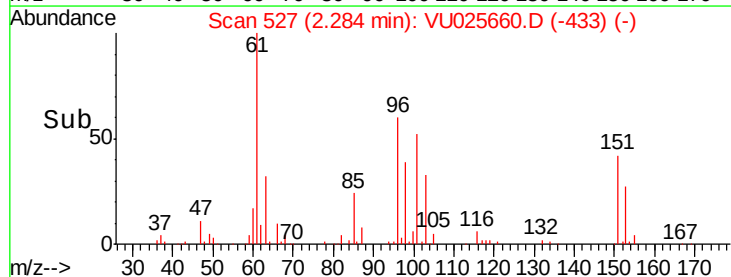
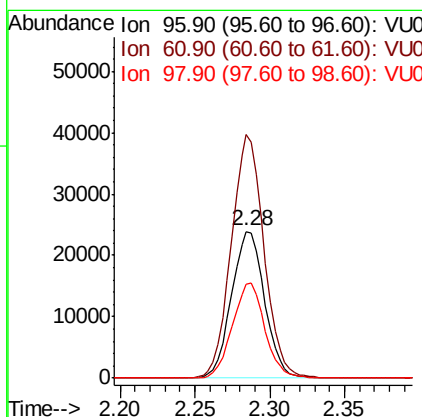
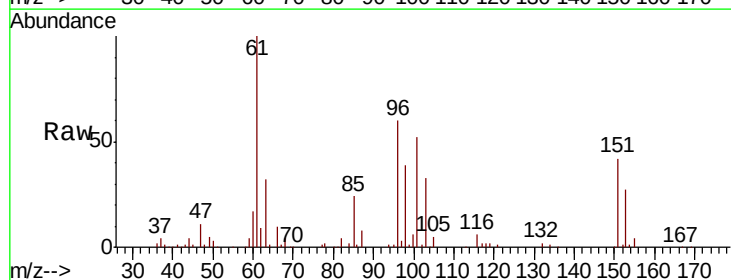
MMDadoda
7/31/2018 3:47:56 PM

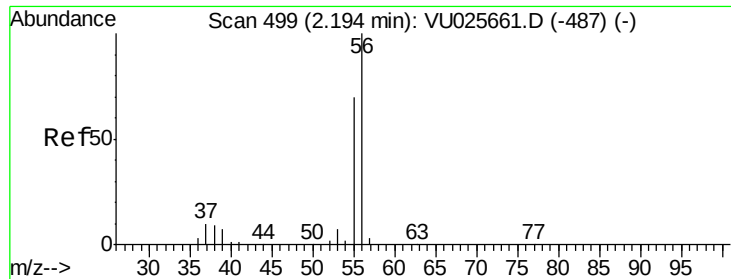


#12

1,1-Dichloroethene
Concen: 21.49 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025660.D
Acq: 27 Jul 2018 10:41

Tgt Ion	96	Resp	36920
Ion	Ratio	Lower	Upper
96	100		
61	165.8	140.2	210.4
98	64.1	49.3	73.9





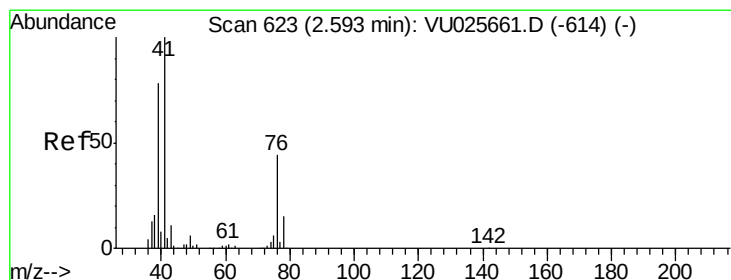
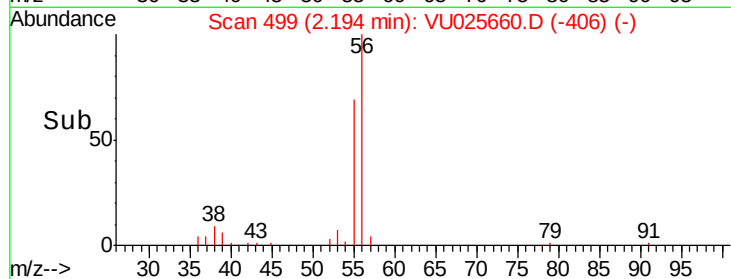
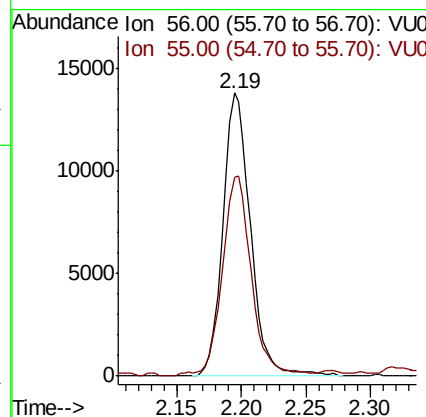
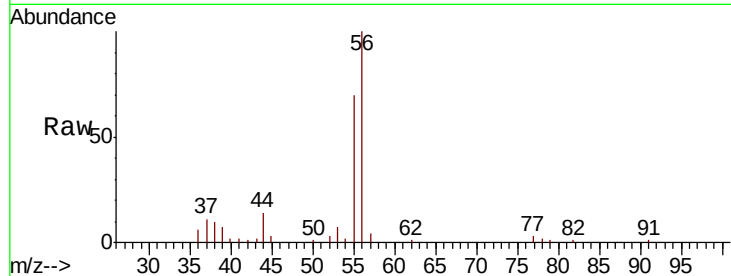
#13
 Acrolein
 Concen: 53.76 ug/l
 RT: 2.19 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VU025660.D
 Acq: 27 Jul 2018 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	56	Resp	20424
Ion Ratio	100	Lower	Upper
56	100		
55	75.1	57.2	85.8

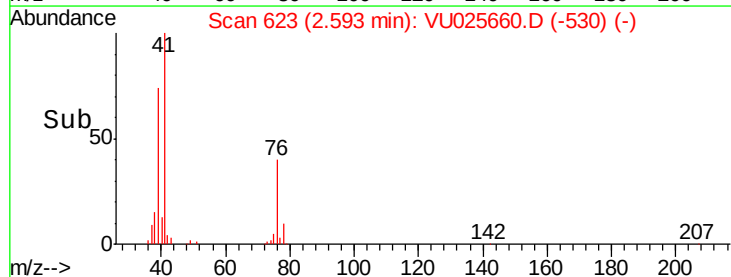
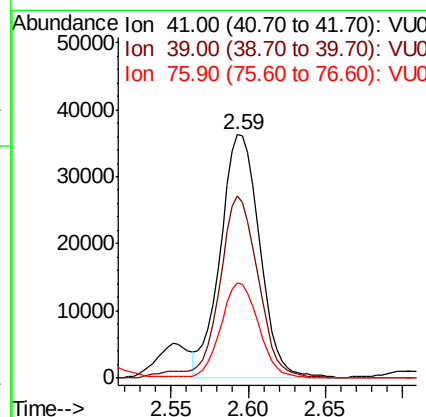
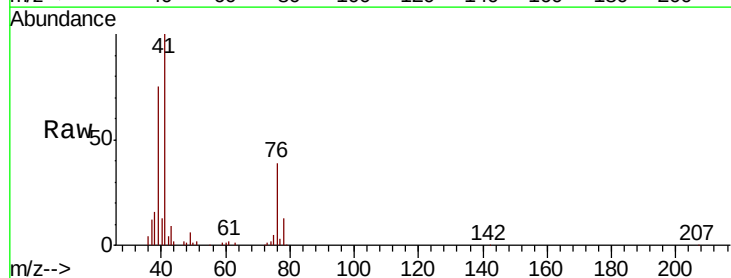
Manual Integrations
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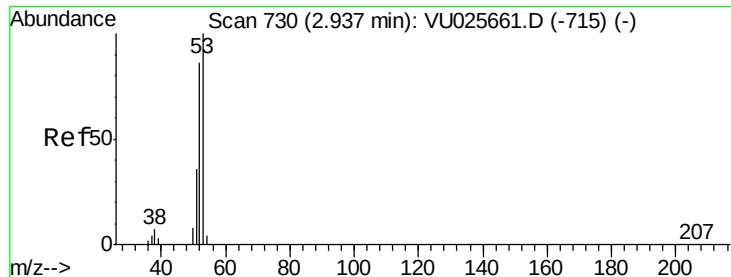
MMDadoda
 7/31/2018 3:47:56 PM



#14
 Allyl chloride
 Concen: 20.53 ug/l
 RT: 2.59 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VU025660.D
 Acq: 27 Jul 2018 10:41

Tgt Ion	41	Resp	63950
Ion Ratio	100	Lower	Upper
41	100		
39	74.6	60.6	91.0
76	37.8	30.5	45.7





#15

Acrylonitrile

Concen: 100.29 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Instrument :

MSVOA_U

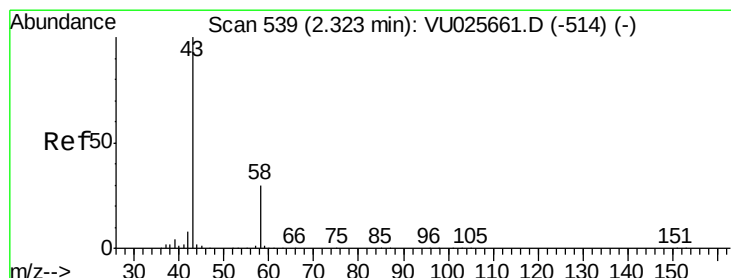
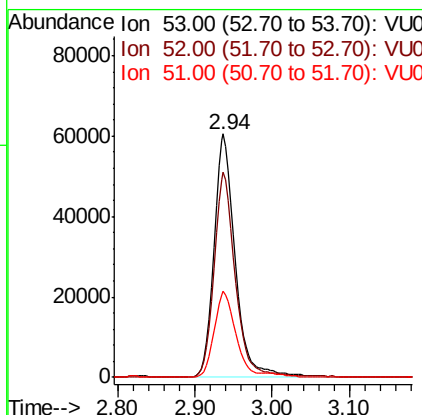
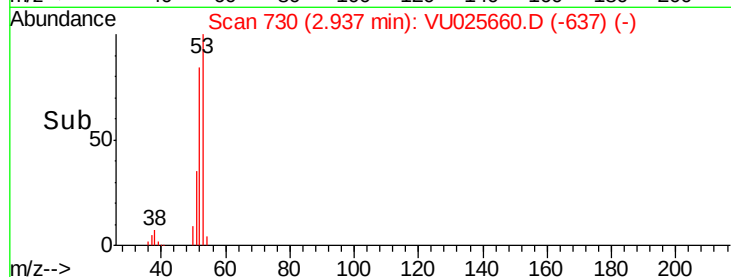
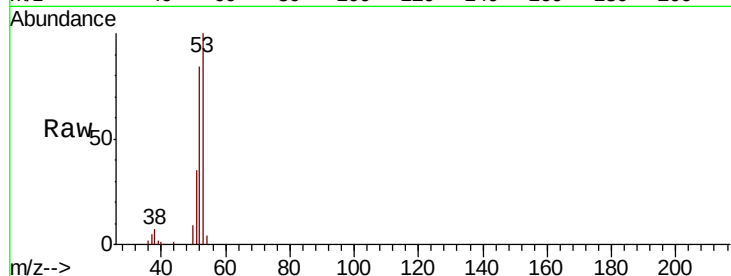
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	118417
Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.6	99.8
51	37.3	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 95.32 ug/l

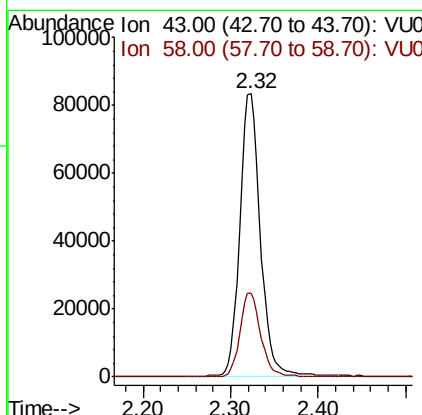
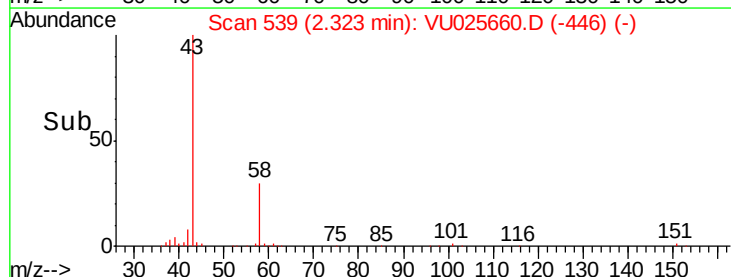
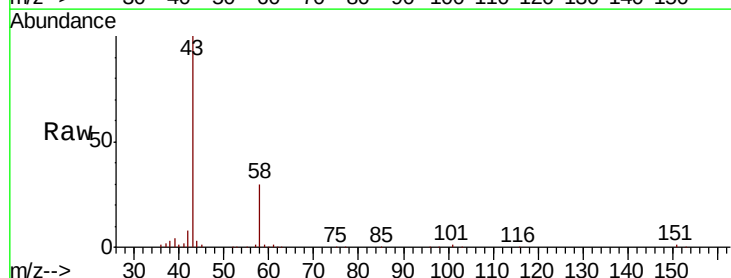
RT: 2.32 min Scan# 539

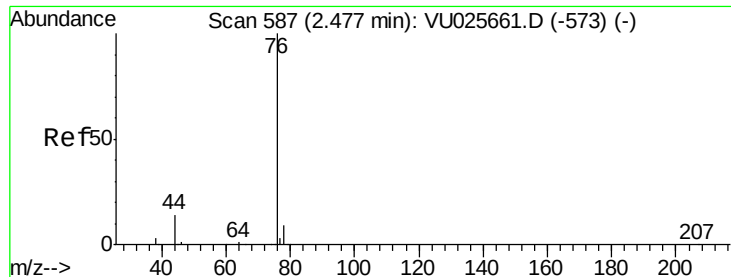
Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Tgt Ion:	43	Resp:	135508
Ion	Ratio	Lower	Upper
43	100		
58	29.8	23.1	34.7





#17

Carbon Disulfide

Concen: 21.71 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 115506

Ion Ratio Lower Upper

76 100

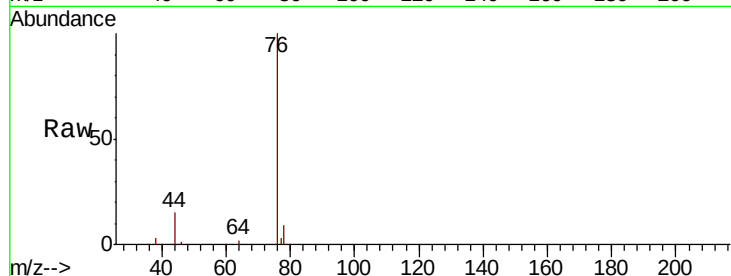
78 9.2 7.4 11.2

Manual Integrations

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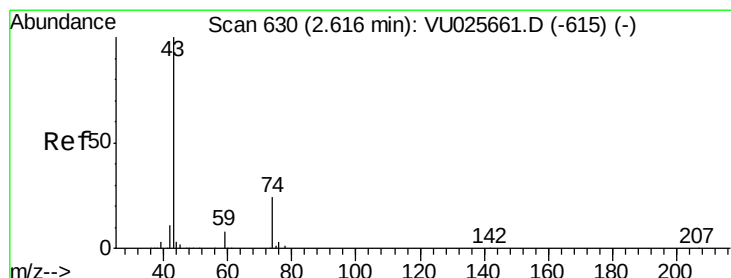
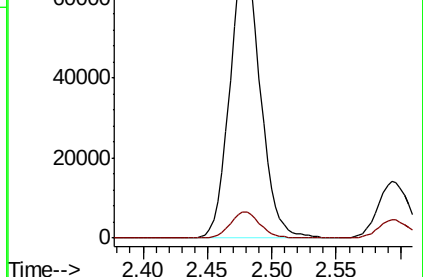
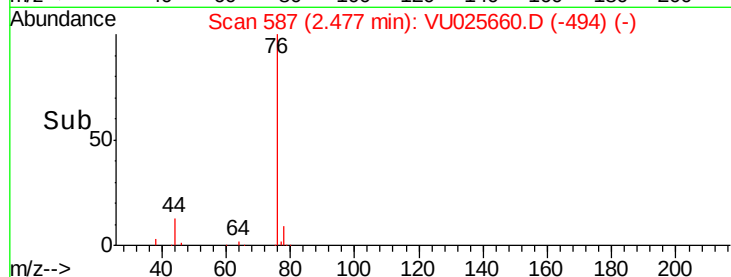


Abundance Ion 75.90 (75.60 to 76.60): VU025660.D (-573) (-)

Ion 77.90 (77.60 to 78.60): VU025660.D (-573) (-)

2.48

Time-->



#18

Methyl Acetate

Concen: 24.96 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025660.D

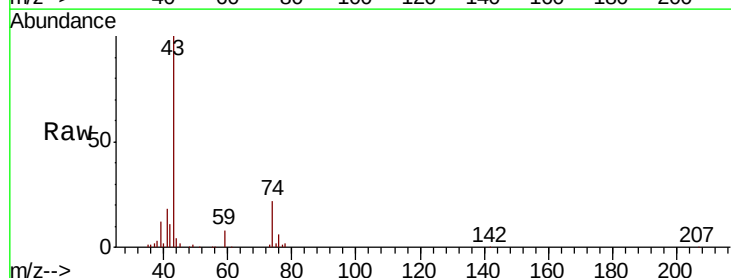
Acq: 27 Jul 2018 10:41

Tgt Ion: 43 Resp: 67282

Ion Ratio Lower Upper

43 100

74 23.0 18.5 27.7

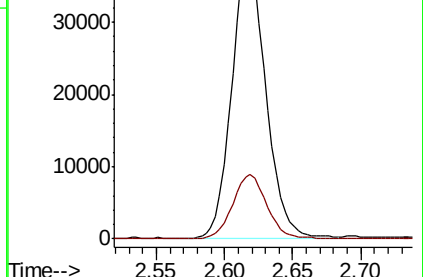
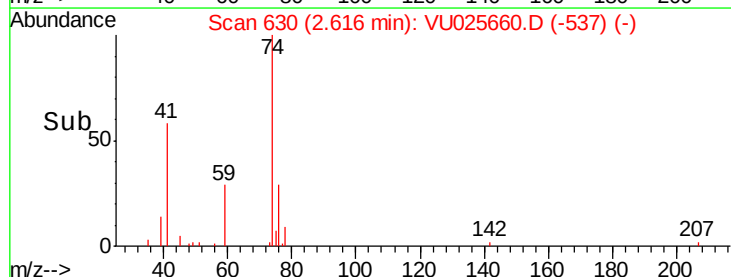


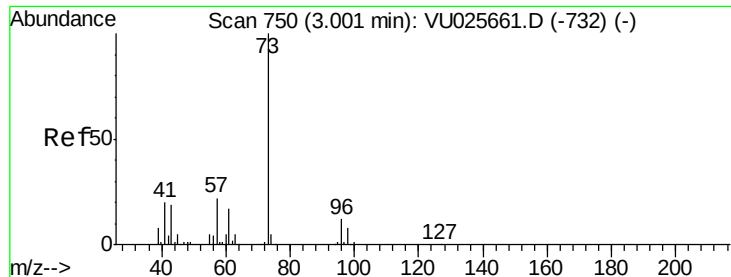
Abundance Ion 43.00 (42.70 to 43.70): VU025660.D (-537) (-)

Ion 74.00 (73.70 to 74.70): VU025660.D (-537) (-)

2.62

Time-->





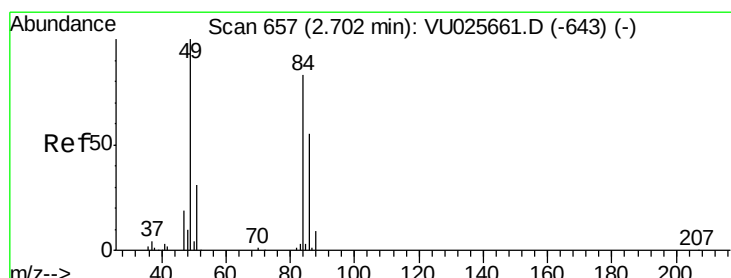
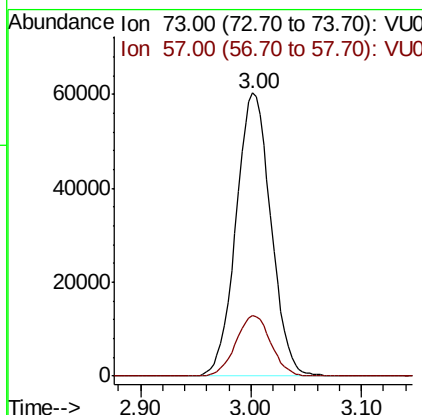
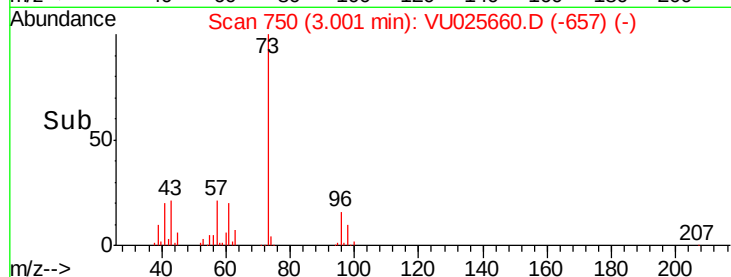
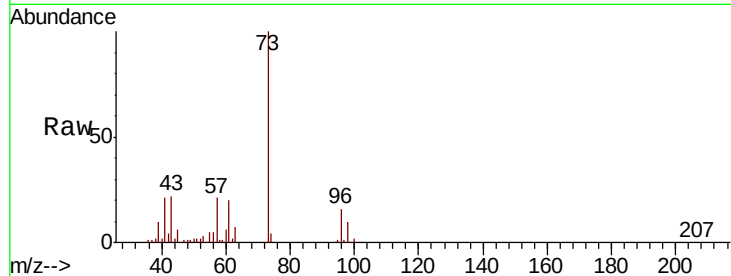
#19
Methyl tert-butyl Ether
Concen: 20.20 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025660.D
Acq: 27 Jul 2018 10:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.4	26.2

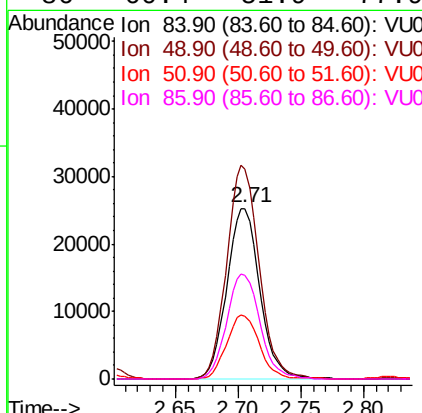
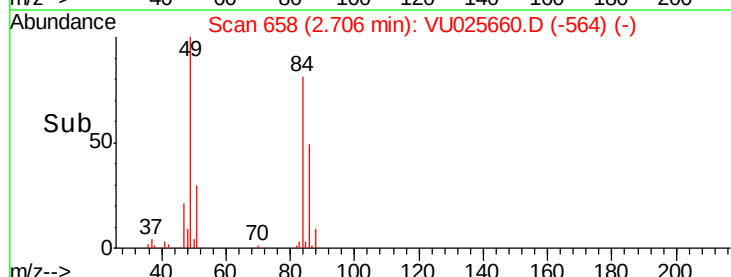
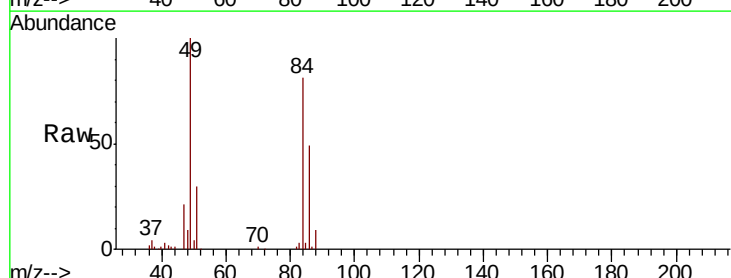
Manual Integrations
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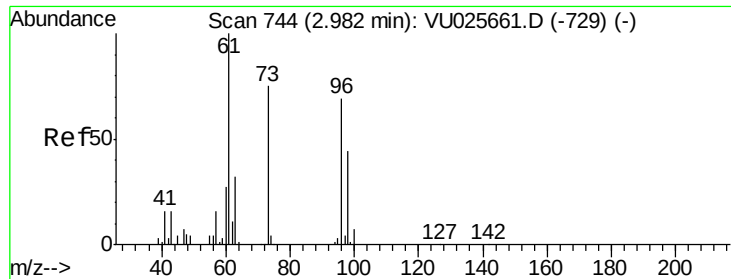
MMDadoda
7/31/2018 3:47:56 PM



#20
Methylene Chloride
Concen: 19.74 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025660.D
Acq: 27 Jul 2018 10:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.7	101.8	152.6
51	36.6	30.8	46.2
86	60.4	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 21.22 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Instrument :

MSVOA_U

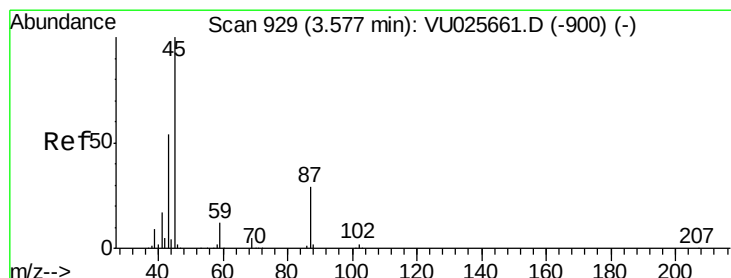
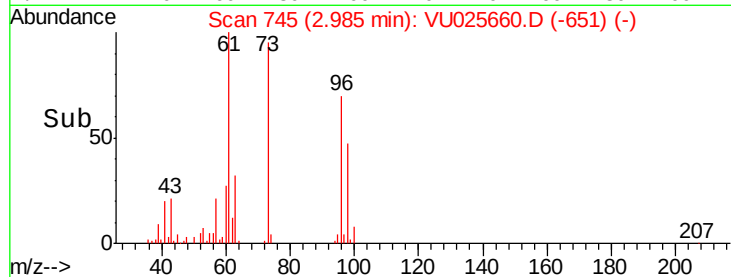
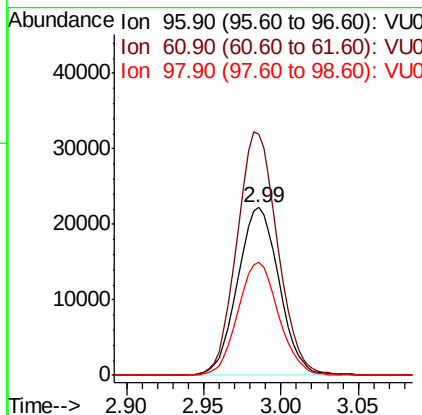
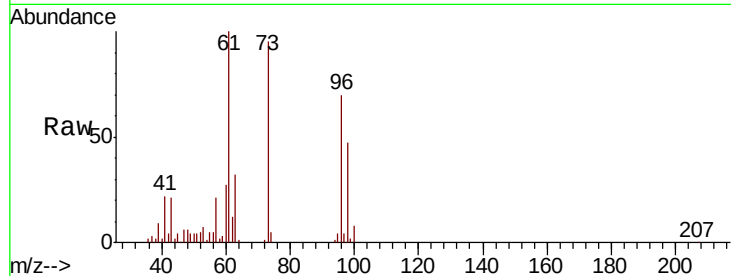
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	41648
Ion	Ratio	Lower	Upper
96	100		
61	143.6	114.5	171.7
98	67.3	50.5	75.7

Manual Integrations
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MMDadoda
7/31/2018 3:47:56 PM



#22

Diisopropyl ether

Concen: 20.77 ug/l

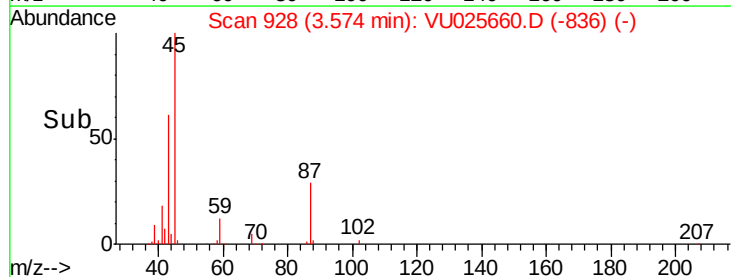
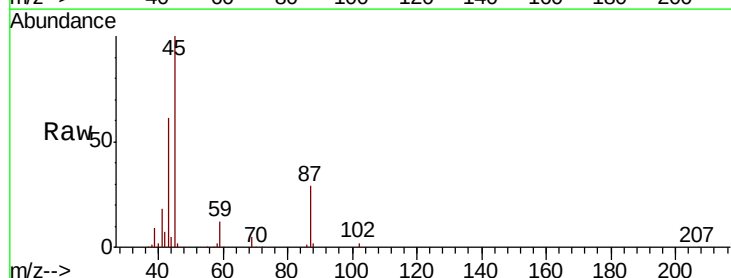
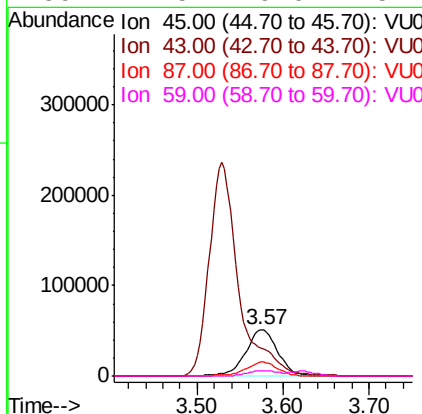
RT: 3.57 min Scan# 928

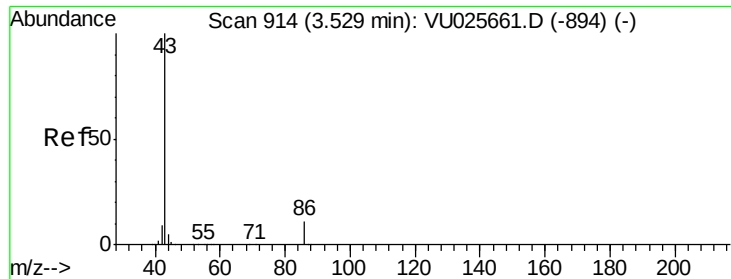
Delta R.T. -0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Tgt Ion:	45	Resp:	132162
Ion	Ratio	Lower	Upper
45	100		
43	59.8	50.9	76.3
87	29.4	23.8	35.8
59	11.5	9.0	13.4





#23

Vinyl Acetate

Concen: 101.53 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 566638

Ion Ratio Lower Upper

43 100

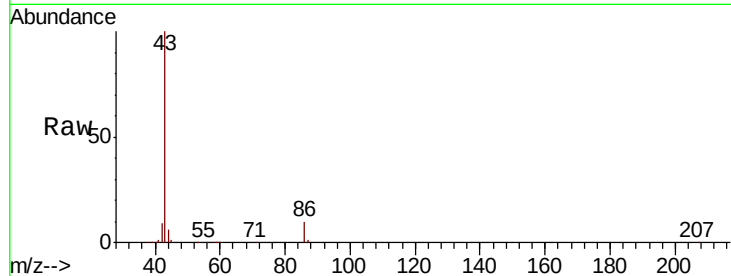
86 10.3 8.2 12.2

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU025660.D (-894) (-)

Ion 86.00 (85.70 to 86.70): VU025660.D (-894) (-)

250000

200000

150000

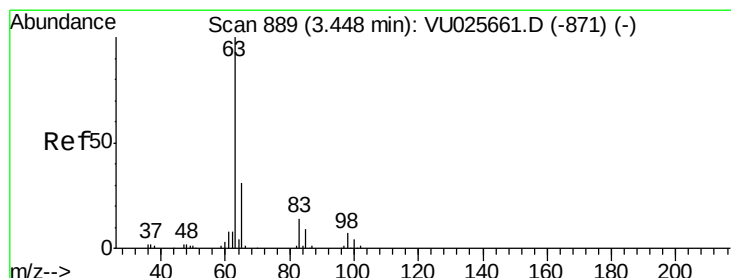
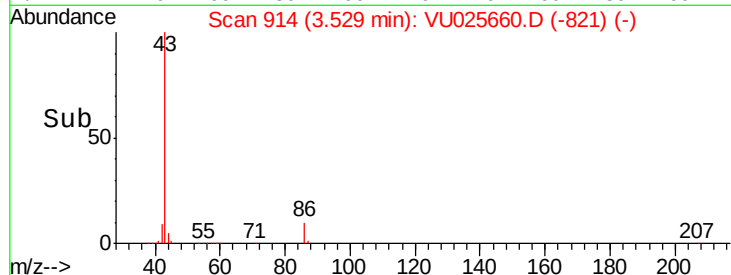
100000

50000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 22.04 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

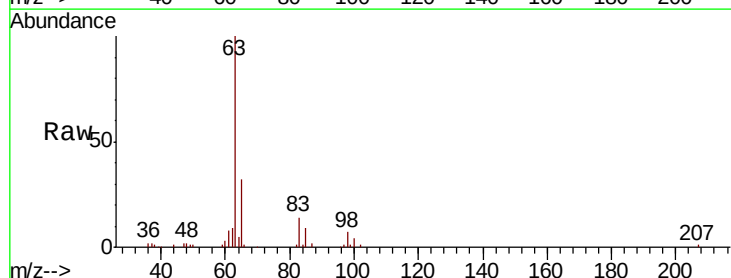
Tgt Ion: 63 Resp: 79083

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

100 4.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU025660.D (-871) (-)

Ion 97.90 (97.60 to 98.60): VU025660.D (-871) (-)

Ion 99.90 (99.60 to 100.60): VU025660.D (-871) (-)

50000

40000

30000

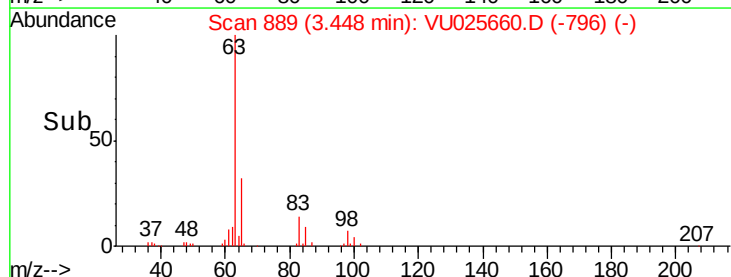
20000

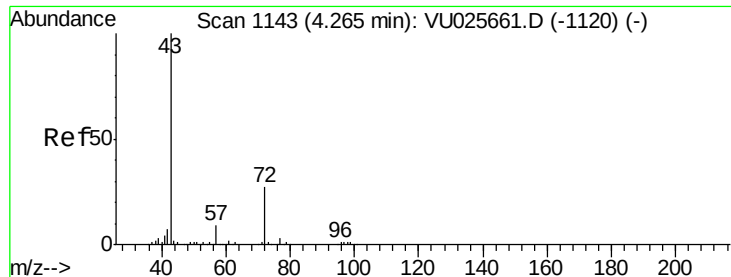
10000

0

3.35 3.40 3.45 3.50 3.55

Time-->





#25

2-Butanone

Concen: 99.85 ug/l

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 182197

Ion Ratio Lower Upper

43 100

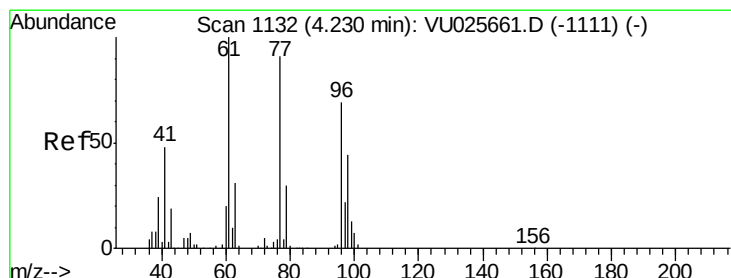
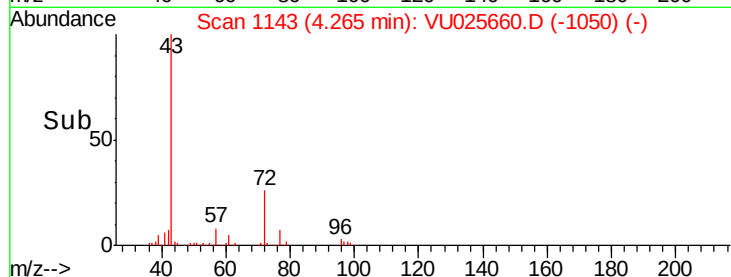
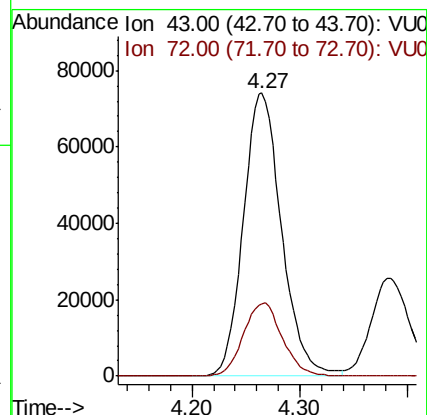
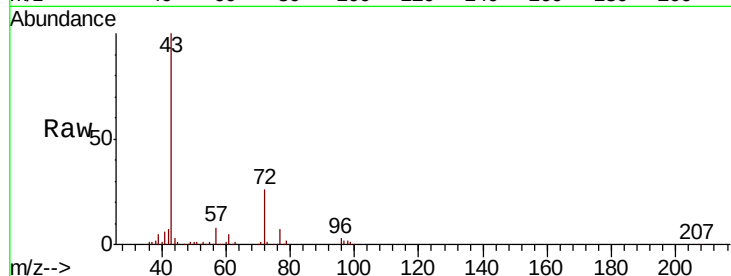
72 25.7 21.0 31.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.50 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025660.D

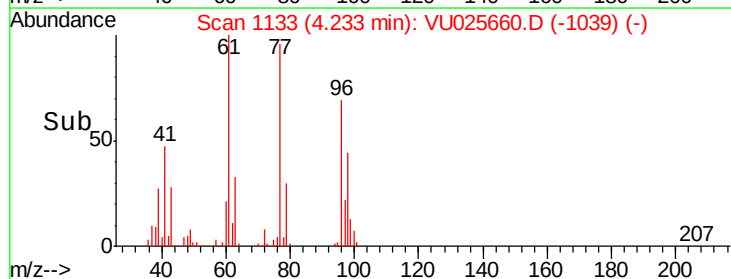
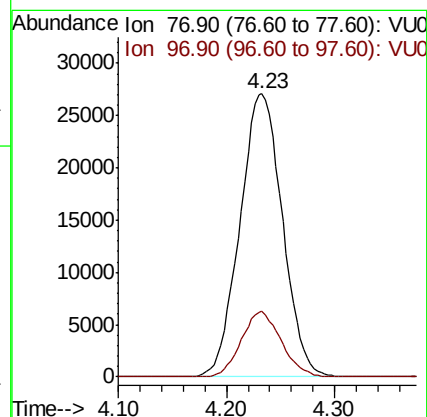
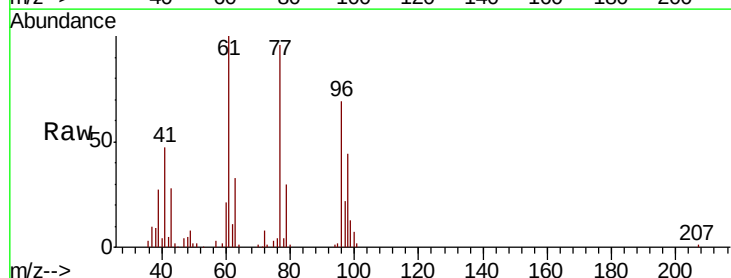
Acq: 27 Jul 2018 10:41

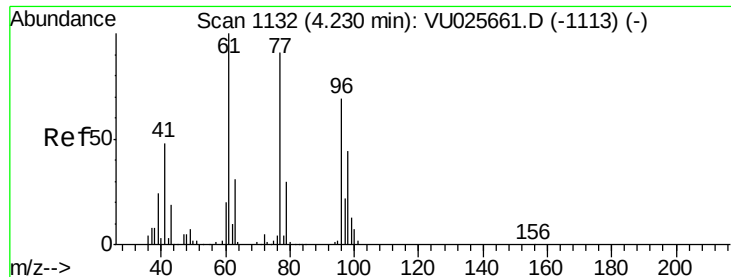
Tgt Ion: 77 Resp: 74156

Ion Ratio Lower Upper

77 100

97 21.6 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 20.89 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Instrument :

MSVOA_U

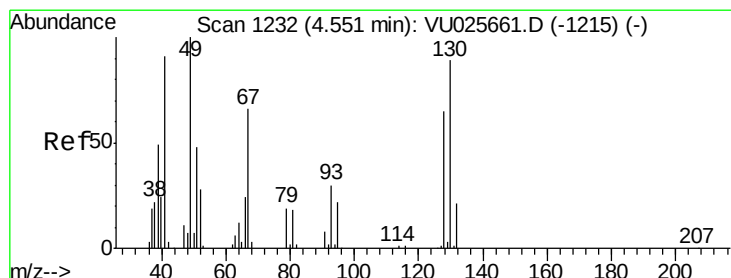
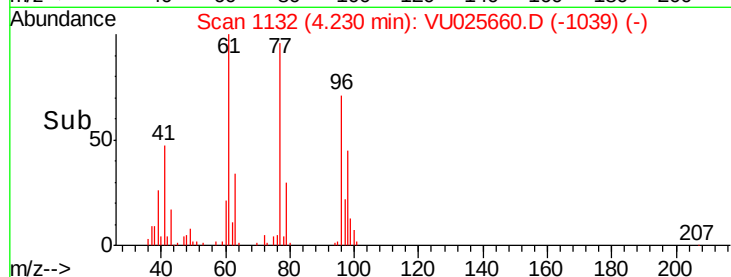
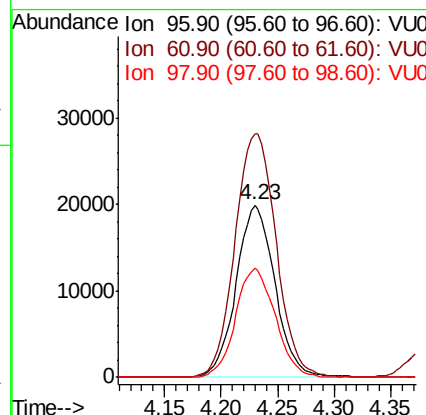
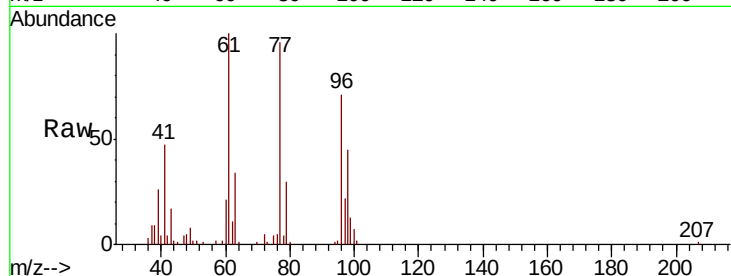
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	47452
Ion	Ratio	Lower	Upper
96	100		
61	150.4	0.0	299.8
98	64.8	0.0	128.6

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#28

Bromochloromethane

Concen: 19.72 ug/l

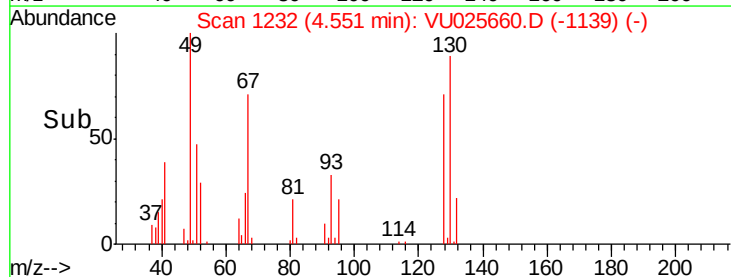
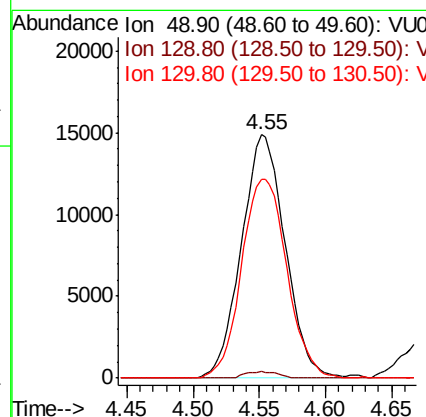
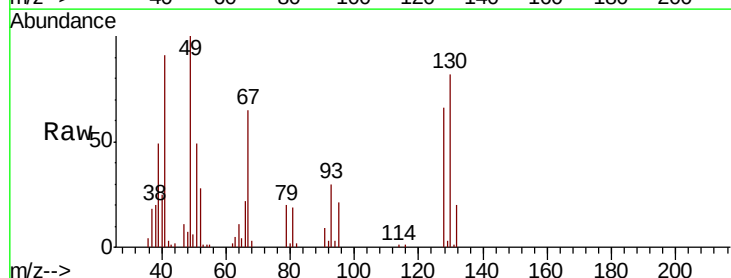
RT: 4.55 min Scan# 1232

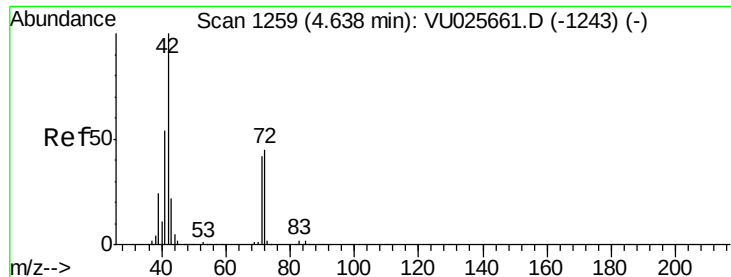
Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Tgt Ion:	49	Resp:	34166
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	84.6	68.6	102.8





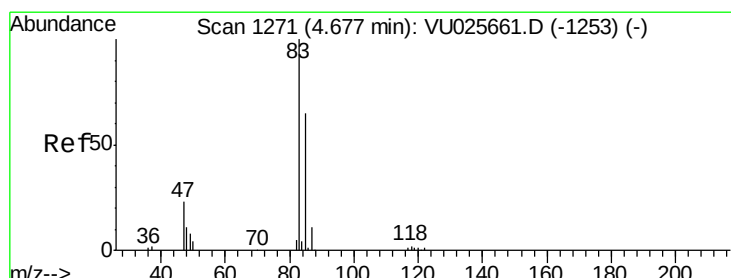
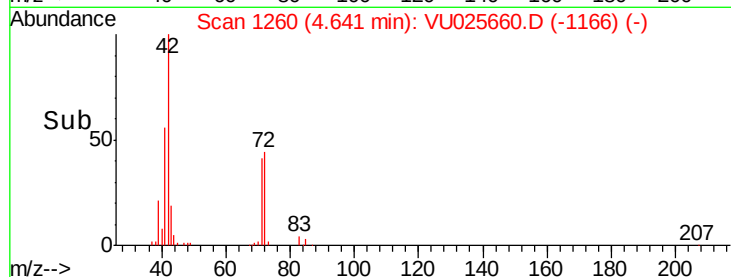
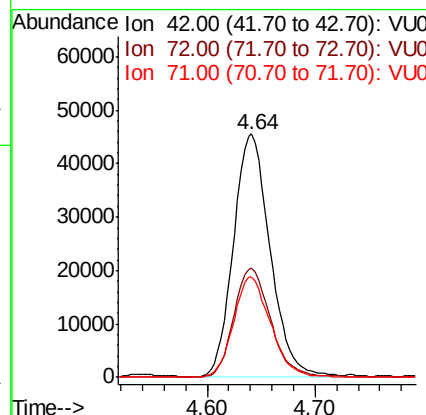
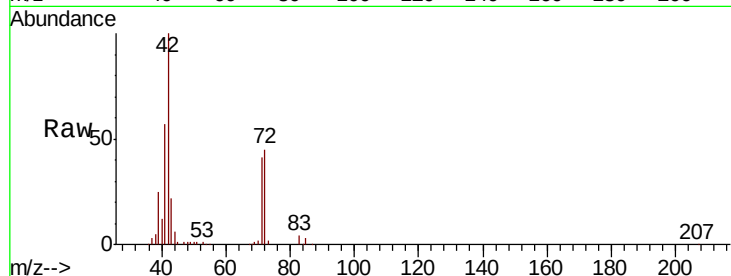
#29
Tetrahydrofuran
Concen: 98.78 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025660.D
Acq: 27 Jul 2018 10:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	36.7	55.1
71	41.1	33.9	50.9

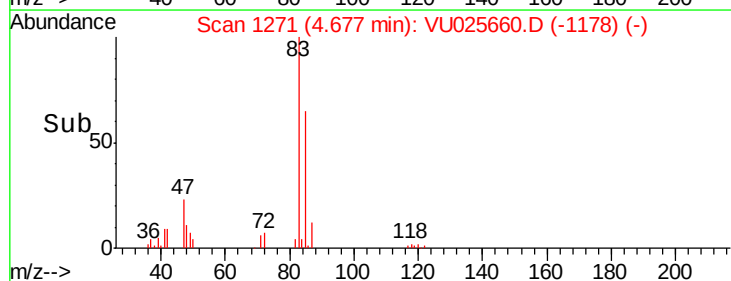
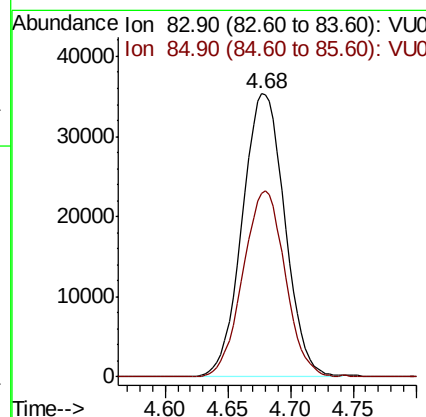
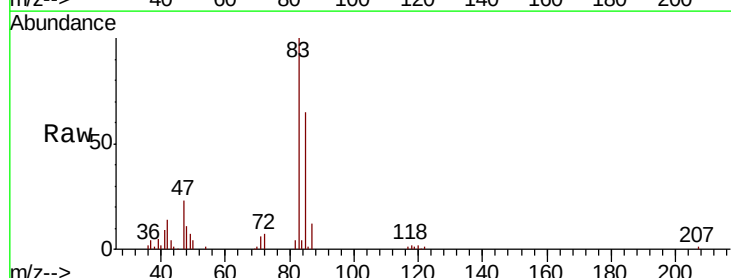
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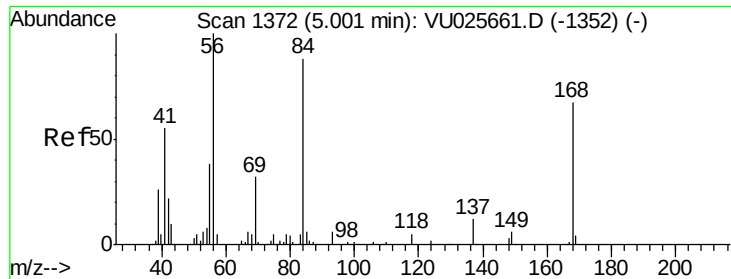
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#30
Chloroform
Concen: 21.94 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025660.D
Acq: 27 Jul 2018 10:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.5	77.3





#31

Cyclohexane

Concen: 17.46 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Instrument :

MSVOA_U

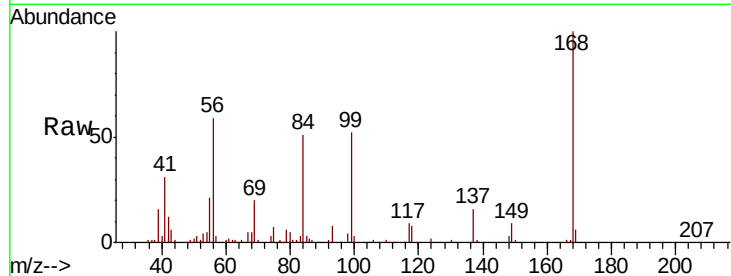
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	69583
Ion	Ratio	Lower	Upper
56	100		
69	34.8	26.8	40.2
84	86.2	69.7	104.5

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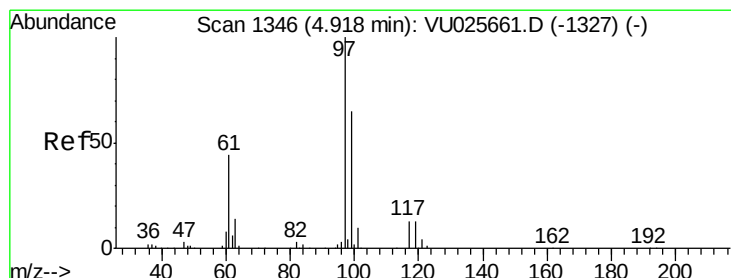
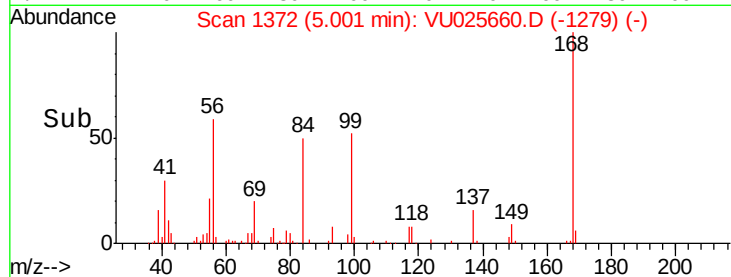
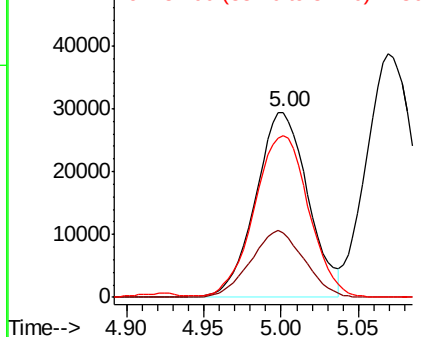


Abundance

Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 21.87 ug/l

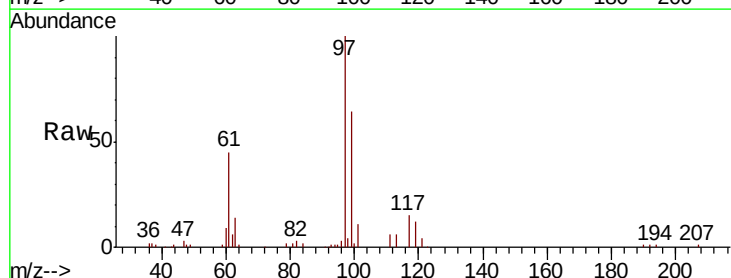
RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Tgt Ion:	97	Resp:	75325
Ion	Ratio	Lower	Upper
97	100		
99	66.6	50.8	76.2
61	44.8	35.2	52.8

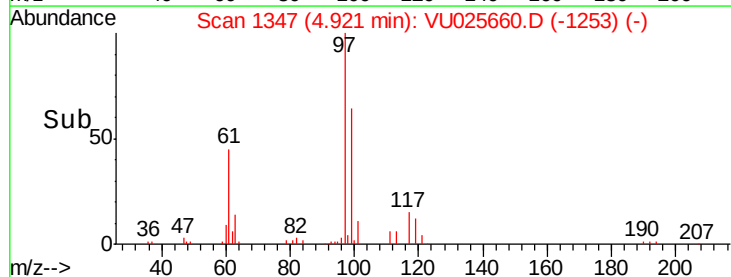
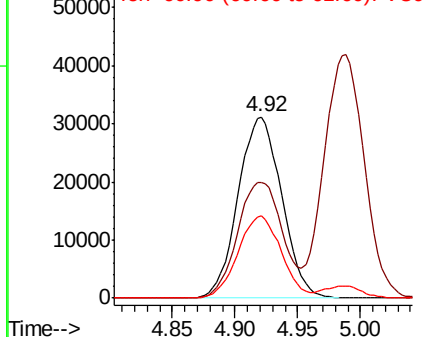


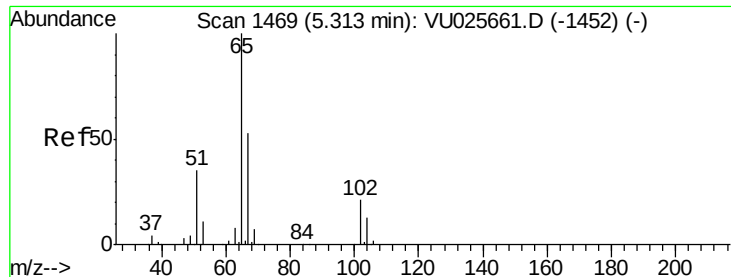
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0





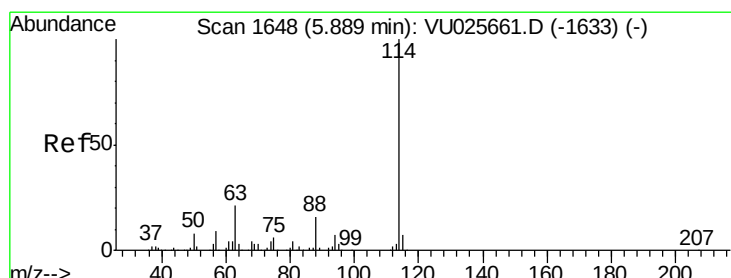
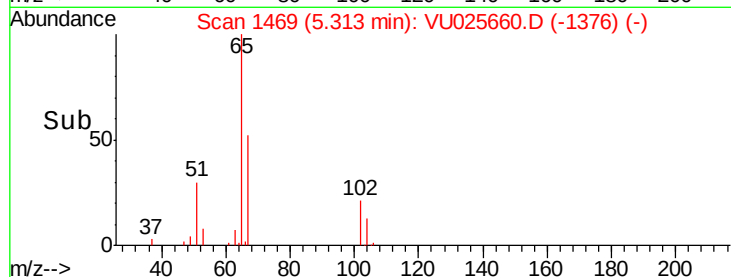
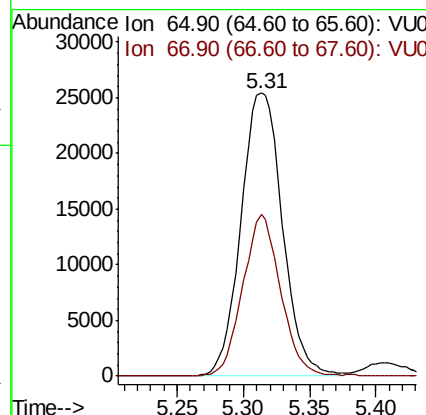
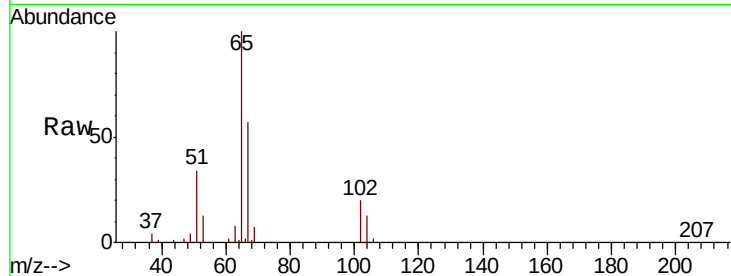
#33
 1,2-Dichloroethane-d4
 Concen: 21.04 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025660.D
 Acq: 27 Jul 2018 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	103.6

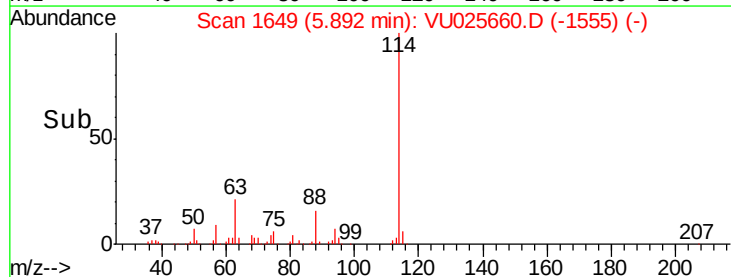
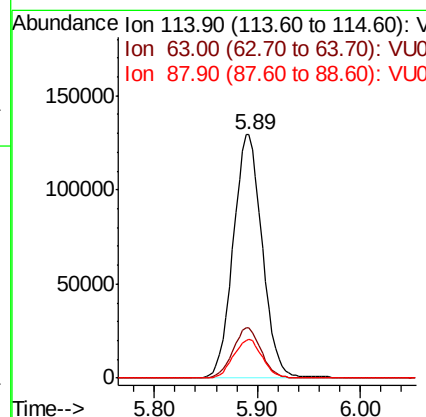
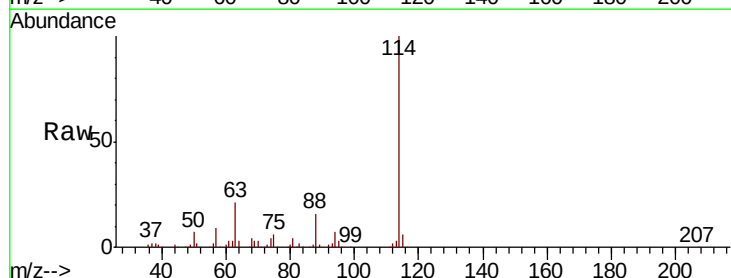
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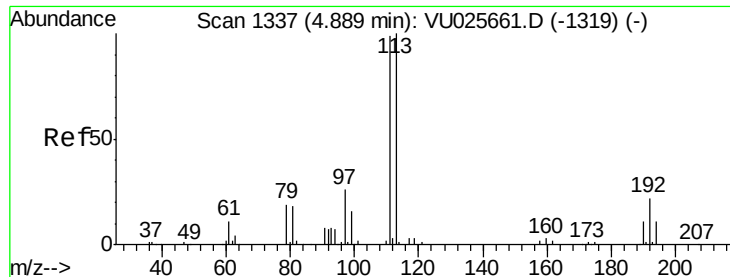
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025660.D
 Acq: 27 Jul 2018 10:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	41.6
88	16.1	0.0	32.4





#35

Dibromofluoromethane

Concen: 21.06 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Instrument :

MSVOA_U

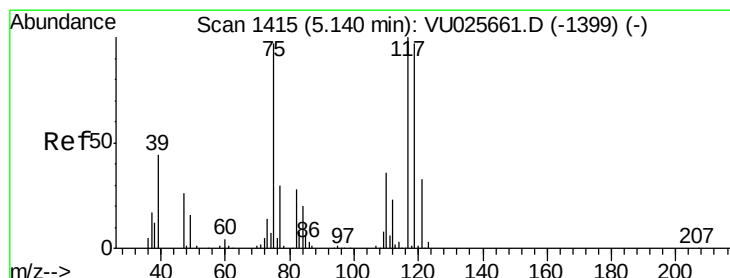
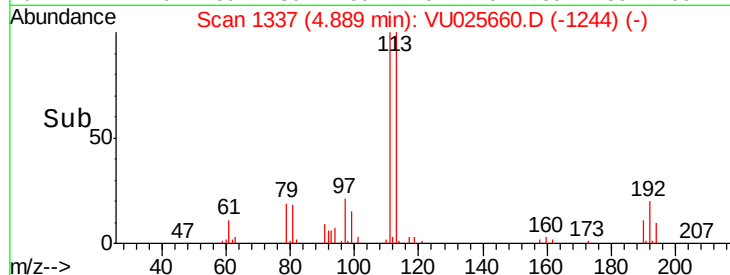
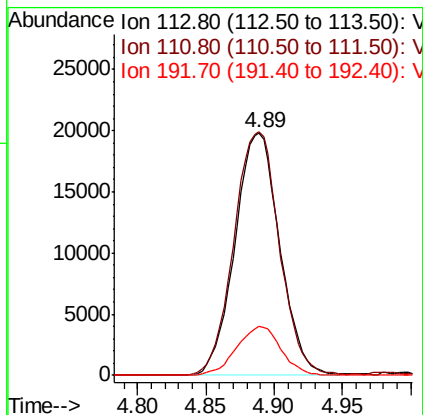
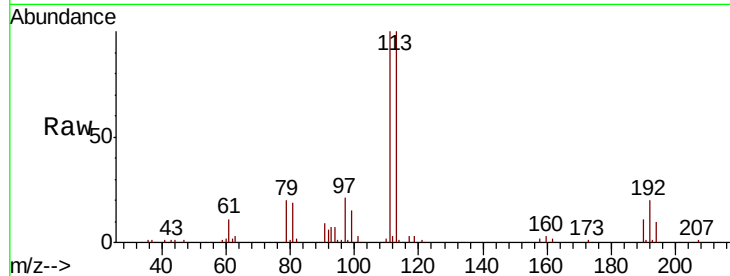
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	45072
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.7	122.5
192	19.9	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 21.23 ug/l

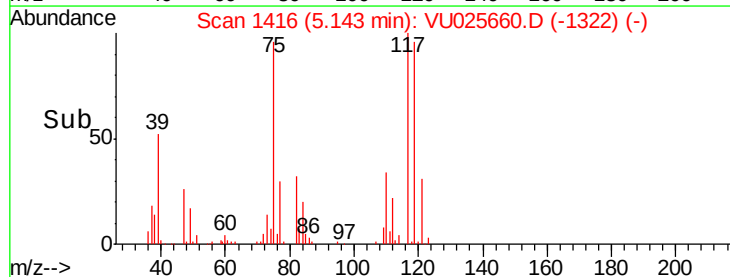
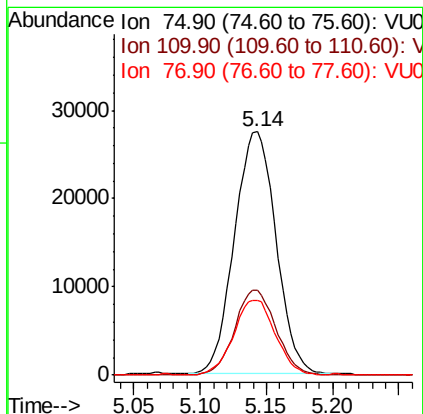
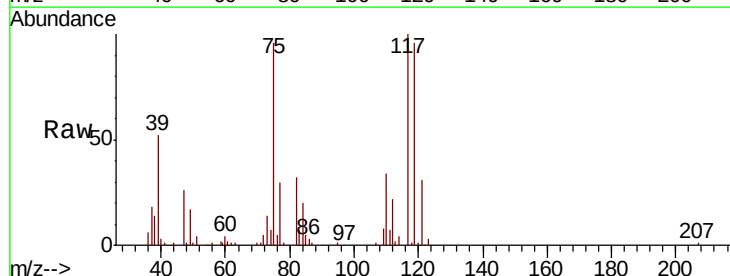
RT: 5.14 min Scan# 1416

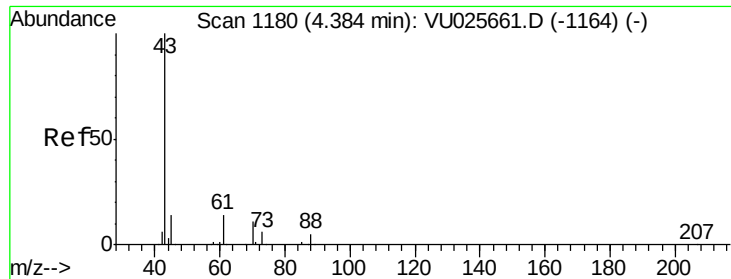
Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Tgt Ion:	75	Resp:	59864
Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.6	52.9
77	31.0	24.4	36.6





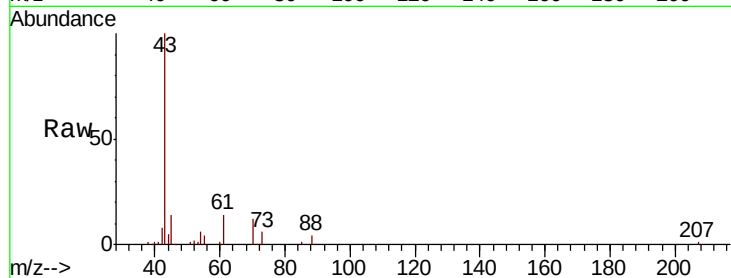
#37
Ethyl Acetate
Concen: 20.52 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025660.D
Acq: 27 Jul 2018 10:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.7	16.1
70	10.2	8.4	12.6

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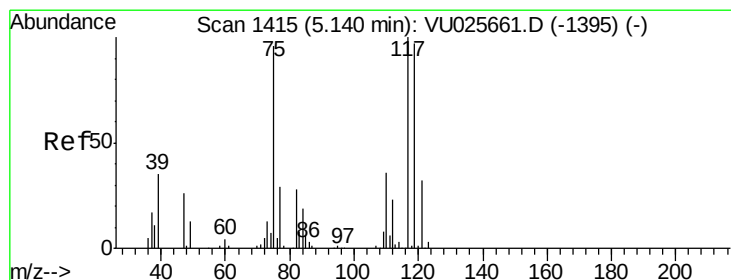
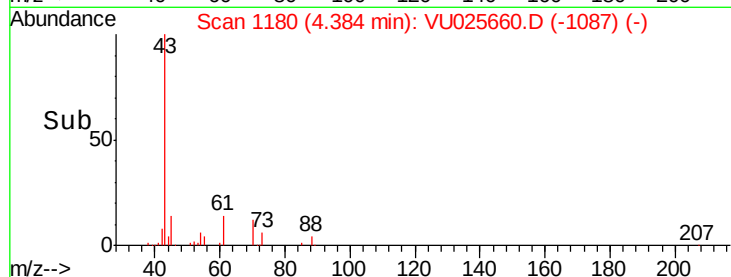
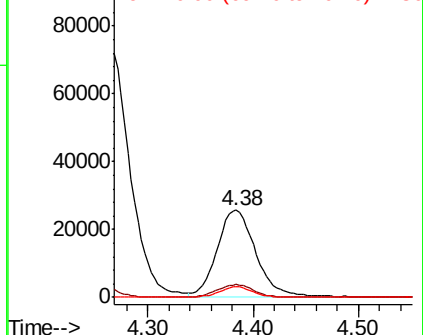


Abundance

Ion 43.00 (42.70 to 43.70): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 70.00 (69.70 to 70.70): VU0



#38
Carbon Tetrachloride
Concen: 22.45 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025660.D
Acq: 27 Jul 2018 10:41

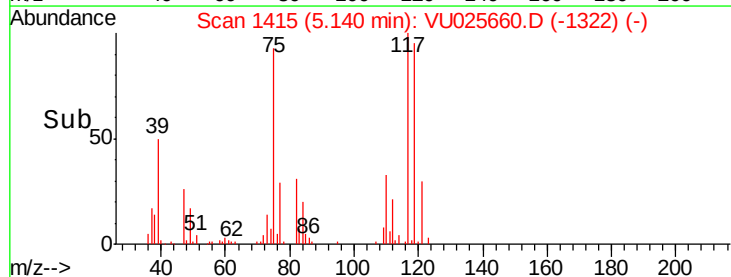
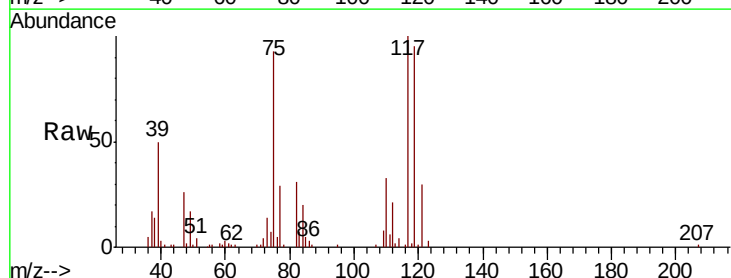
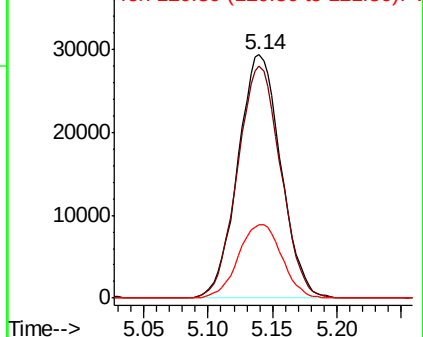
Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	75.7	113.5
121	30.1	24.6	36.8

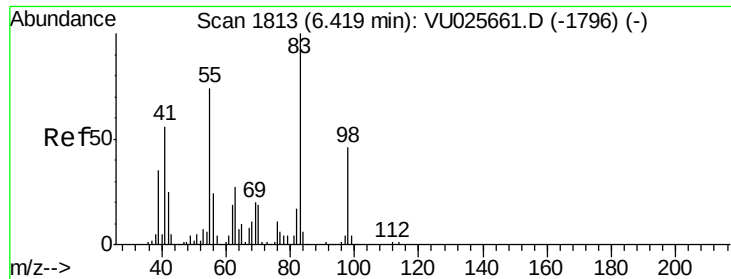
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





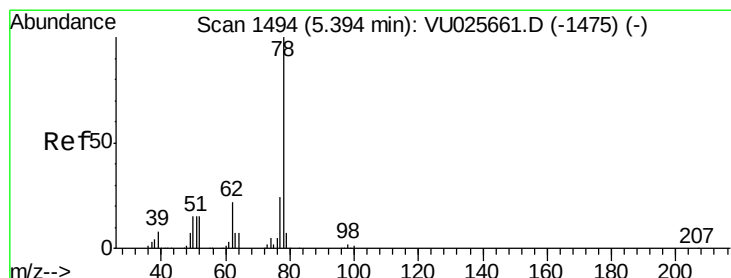
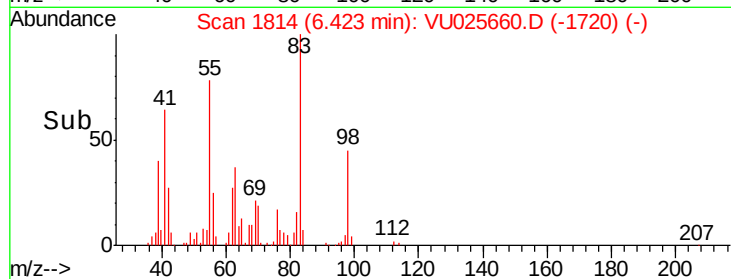
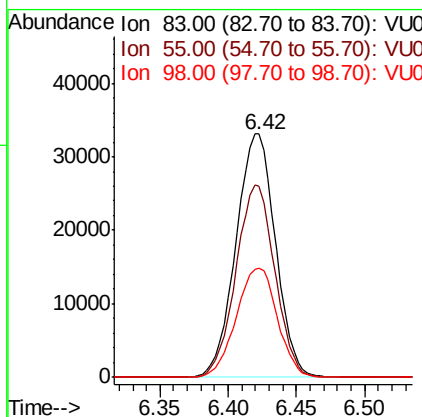
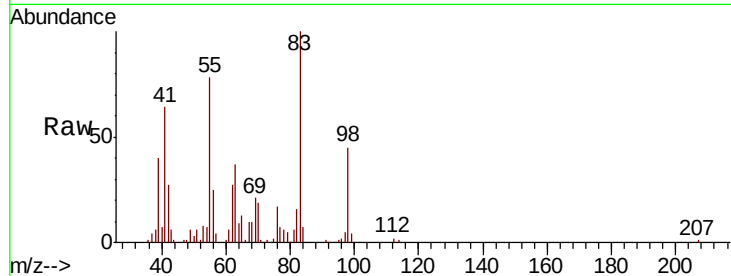
#39
Methylvlcyclohexane
Concen: 18.95 ug/l
RT: 6.42 min Scan# 1814
Delta R.T. 0.00 min
Lab File: VU025660.D
Acq: 27 Jul 2018 10:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.3	60.0	90.0
98	45.0	36.1	54.1

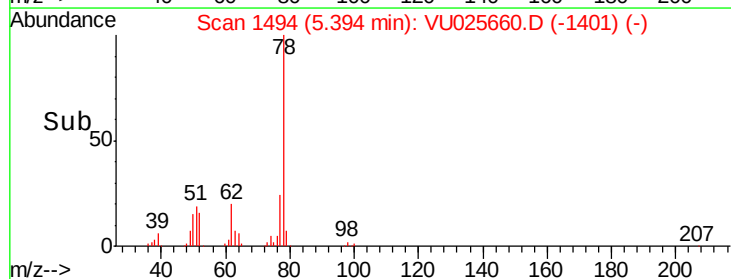
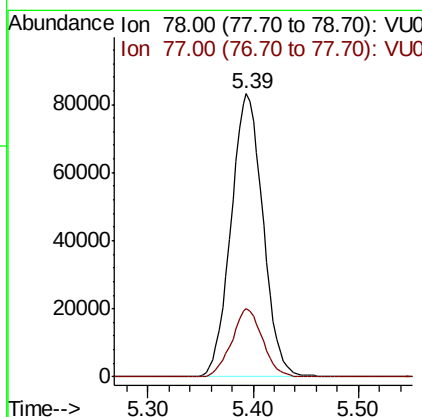
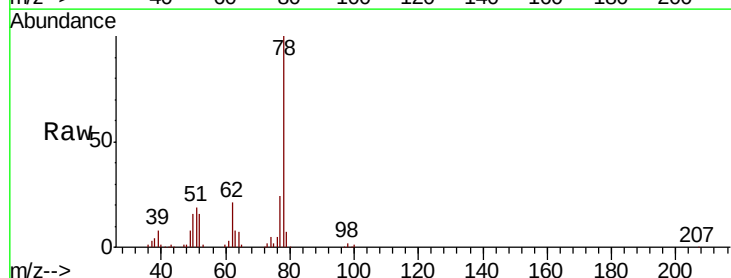
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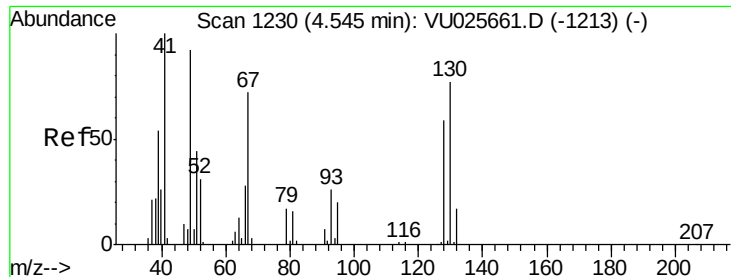
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#40
Benzene
Concen: 21.49 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025660.D
Acq: 27 Jul 2018 10:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.8	29.6





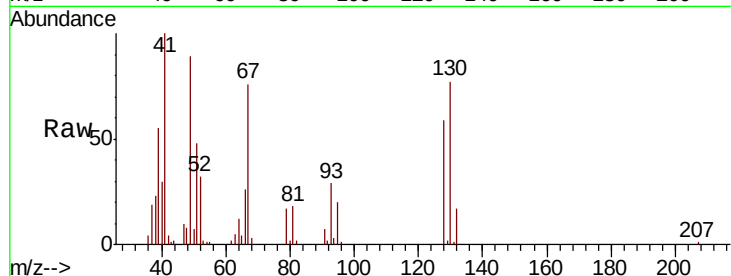
#41
Methacrylonitrile
Concen: 19.81 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025660.D
Acq: 27 Jul 2018 10:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.1	44.4	66.6	
67	72.8	56.0	84.0	
52	30.5	24.6	36.8	

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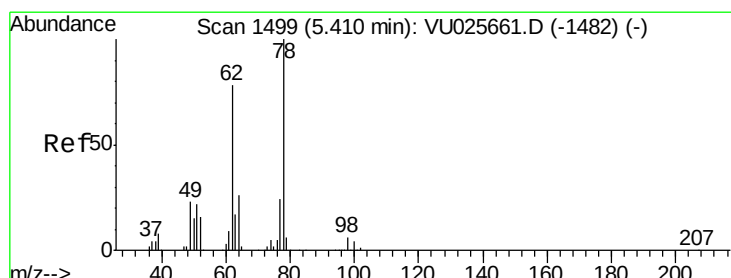
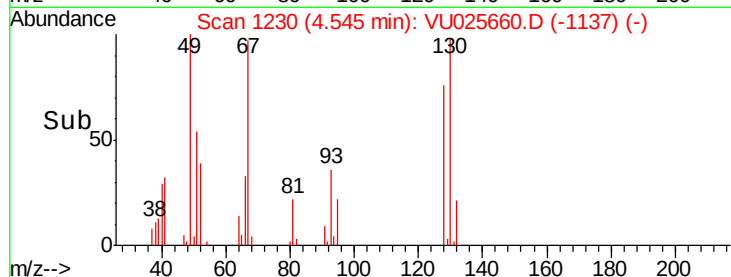
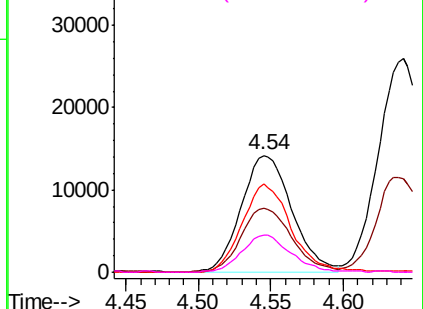
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

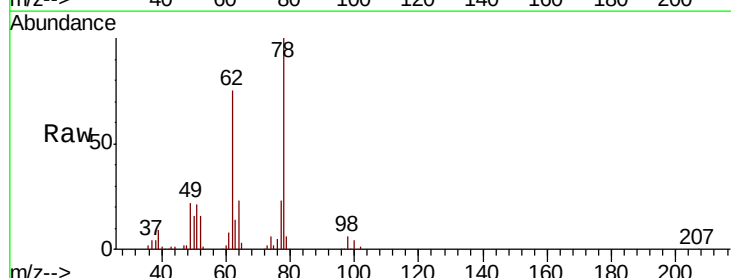
Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42
1,2-Dichloroethane
Concen: 21.53 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025660.D
Acq: 27 Jul 2018 10:41

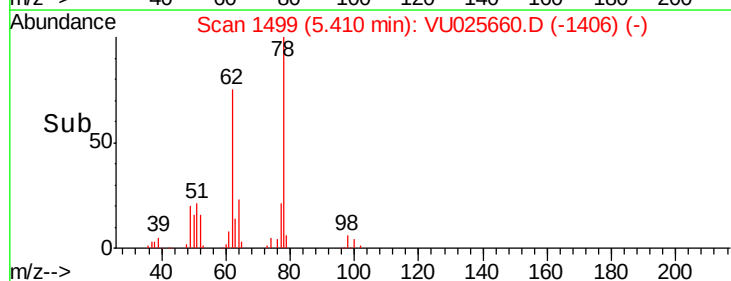
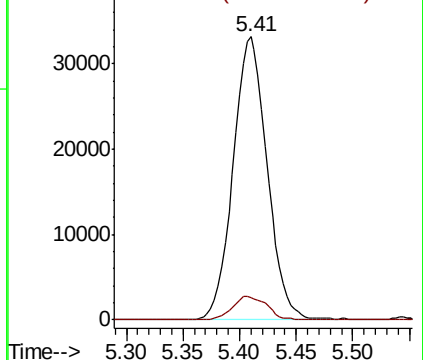
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	16.4	

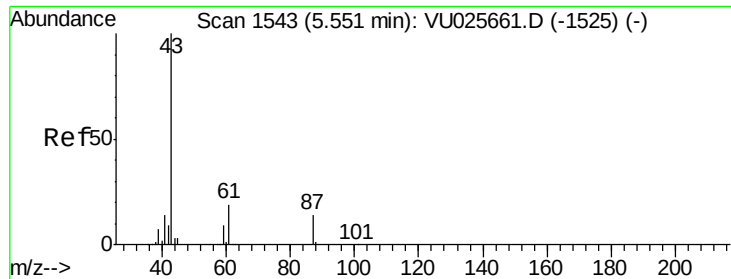


Abundance

Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

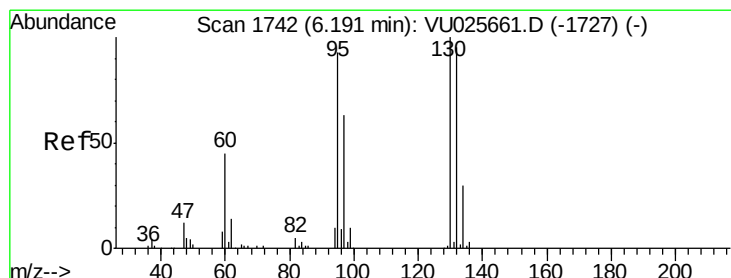
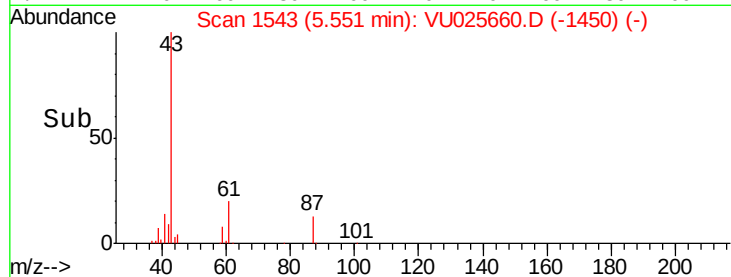
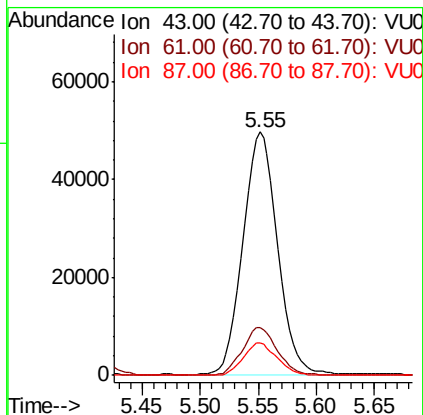
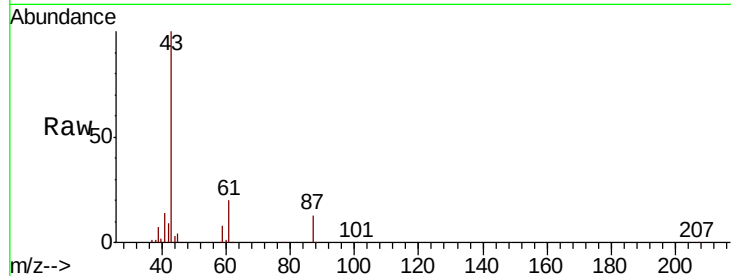
Isopropyl Acetate
 Concen: 20.64 ug/l
 RT: 5.55 min Scan# 1543
 Delta R.T. 0.00 min
 Lab File: VU025660.D
 Acq: 27 Jul 2018 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.5	23.3
87	13.0	10.6	16.0

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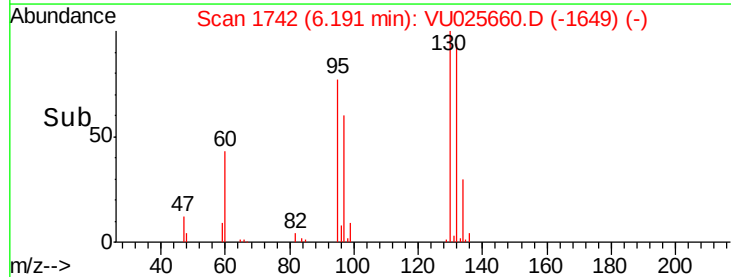
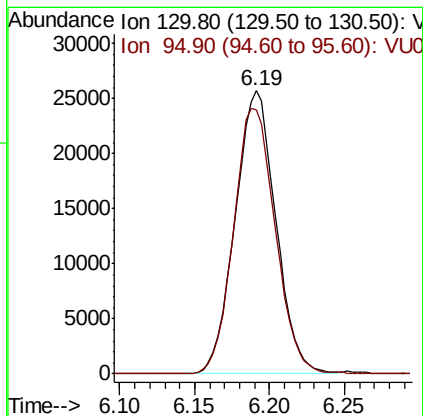
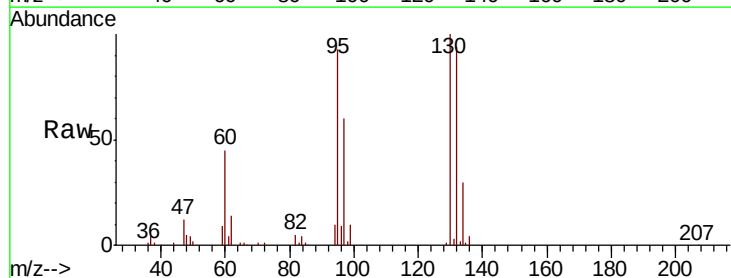
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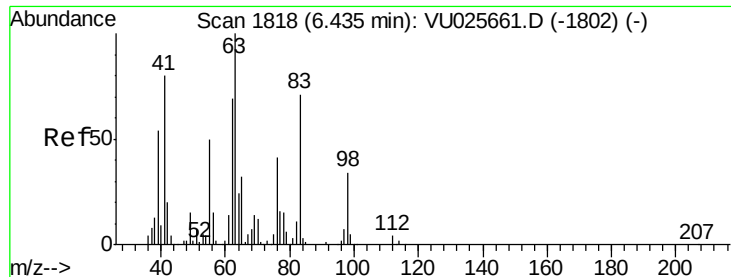


#44

Trichloroethene
 Concen: 20.83 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU025660.D
 Acq: 27 Jul 2018 10:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	192.2





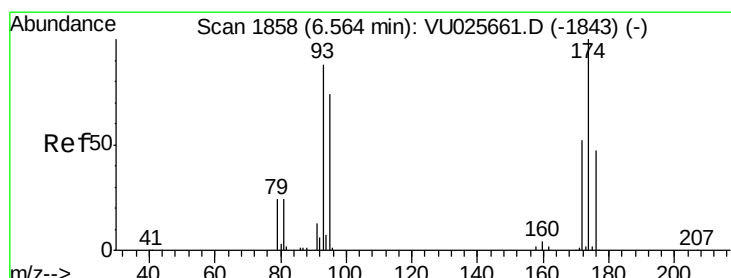
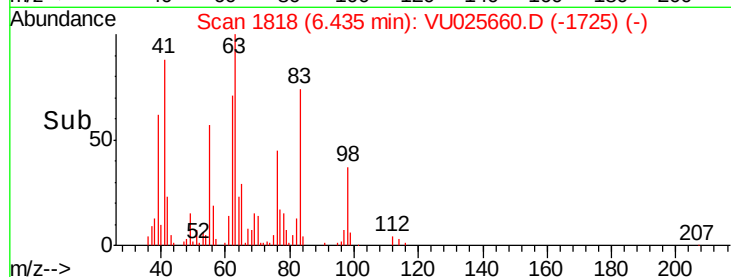
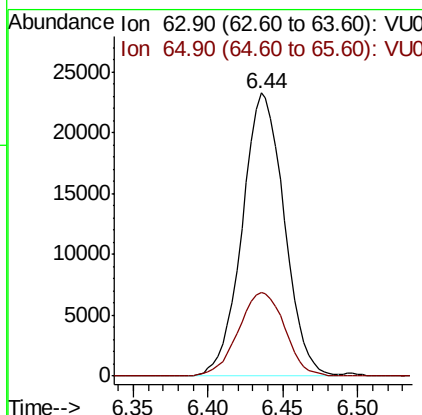
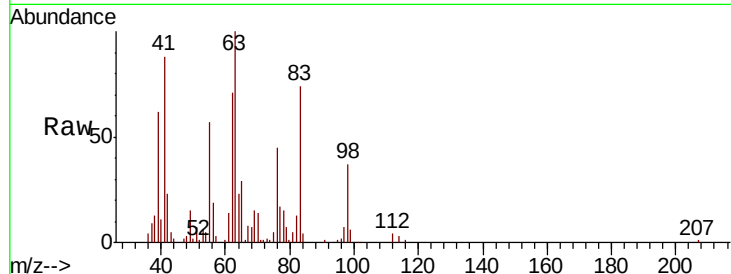
#45
 1,2-Dichloropropane
 Concen: 21.40 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025660.D
 Acq: 27 Jul 2018 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 45542
 Ion Ratio Lower Upper
 63 100
 65 29.5 26.1 39.1

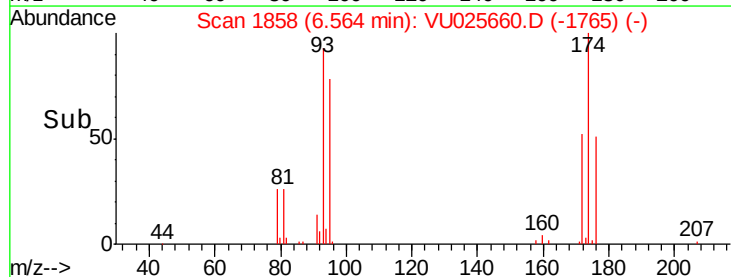
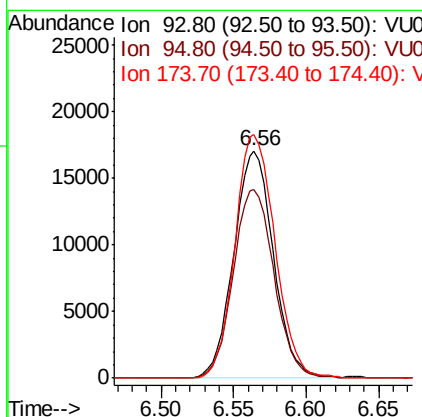
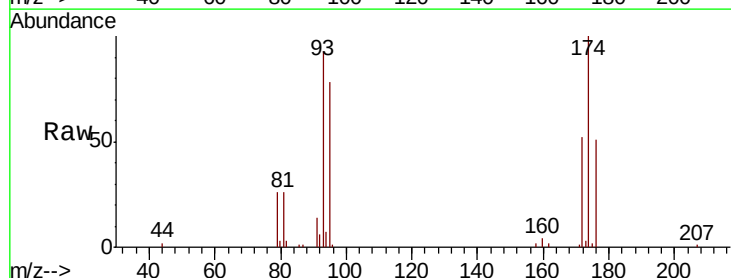
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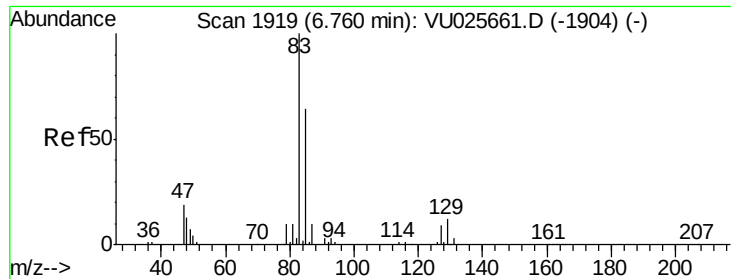
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#46
 Dibromomethane
 Concen: 20.93 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025660.D
 Acq: 27 Jul 2018 10:41

Tgt Ion: 93 Resp: 32422
 Ion Ratio Lower Upper
 93 100
 95 85.4 66.6 100.0
 174 108.5 85.8 128.8





#47

Bromodichloromethane

Concen: 21.59 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Instrument :

MSVOA_U

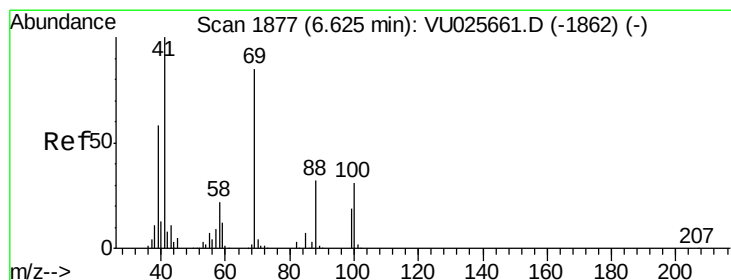
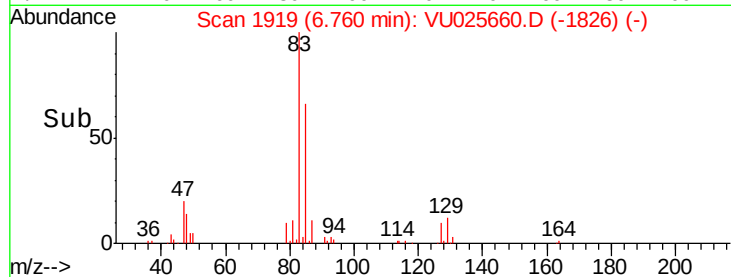
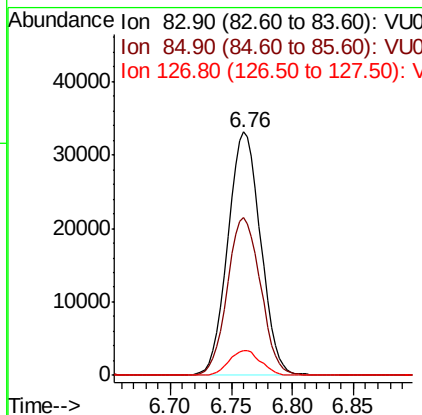
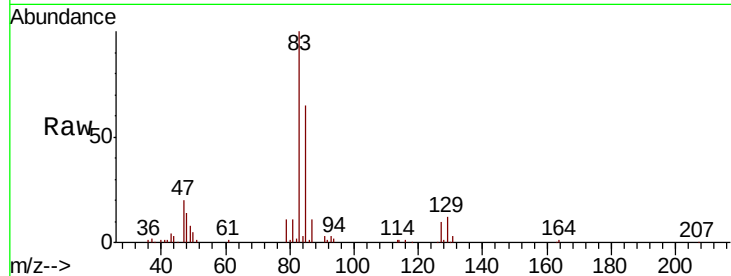
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	62128
Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.2	75.4
127	10.1	7.2	10.8

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#48

Methyl methacrylate

Concen: 20.25 ug/l

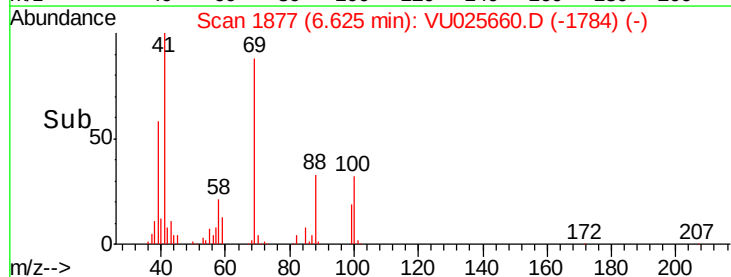
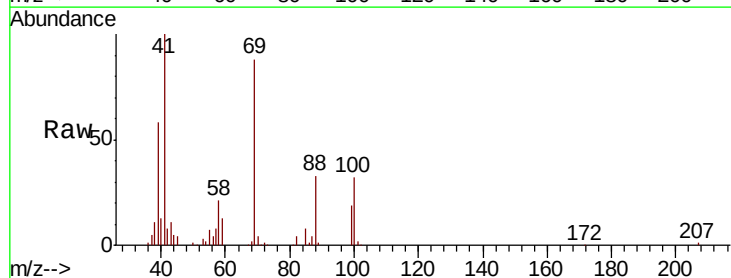
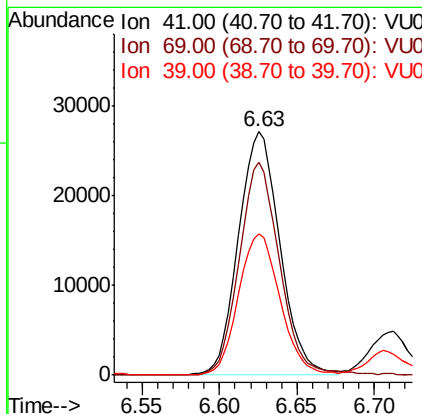
RT: 6.63 min Scan# 1877

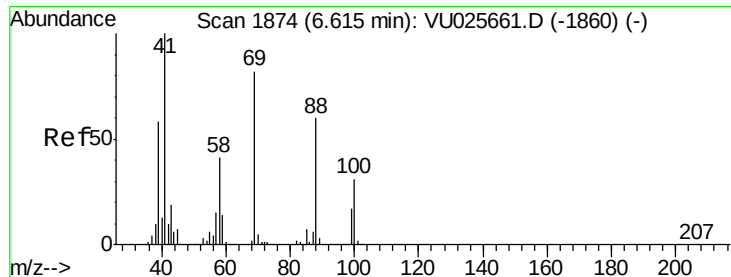
Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Tgt Ion:	41	Resp:	50847
Ion	Ratio	Lower	Upper
41	100		
69	84.7	65.0	97.4
39	58.2	46.4	69.6





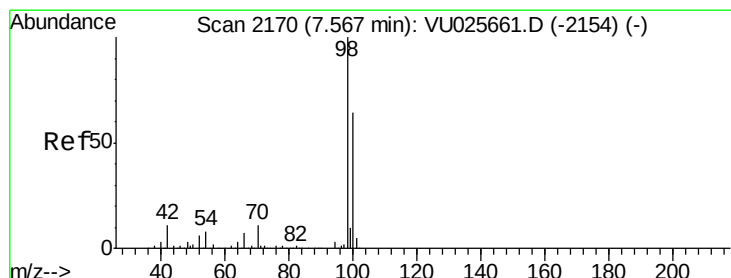
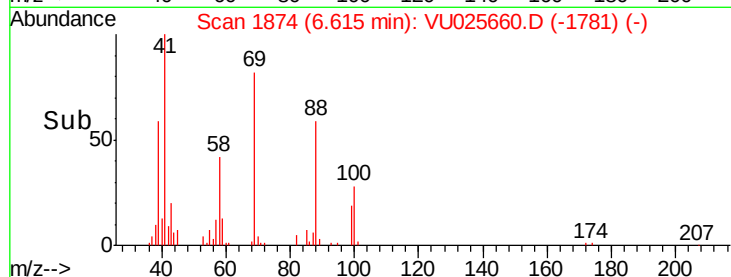
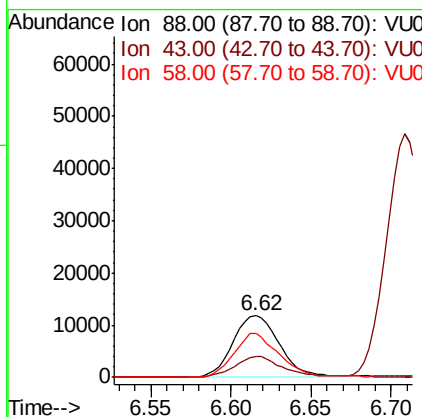
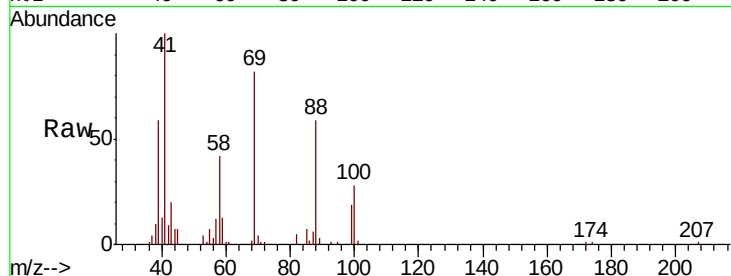
#49
1,4-Dioxane
Concen: 389.75 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025660.D
Acq: 27 Jul 2018 10:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.3	27.3	40.9
58	69.0	57.6	86.4

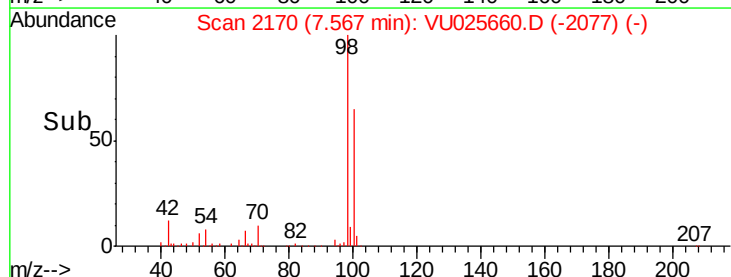
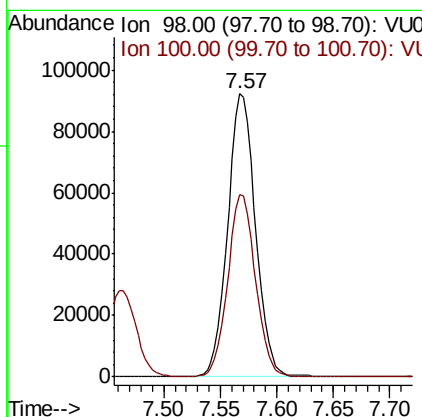
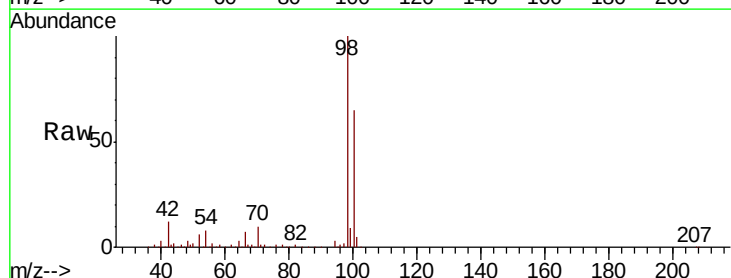
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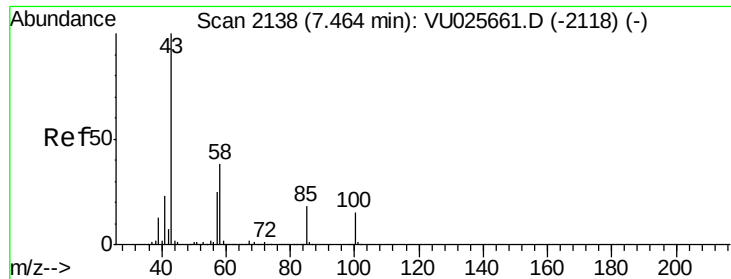
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#50
Toluene-d8
Concen: 21.57 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025660.D
Acq: 27 Jul 2018 10:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 100.09 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 327611

Ion Ratio Lower Upper

43 100

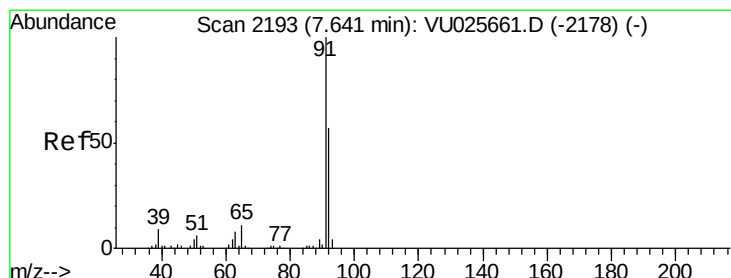
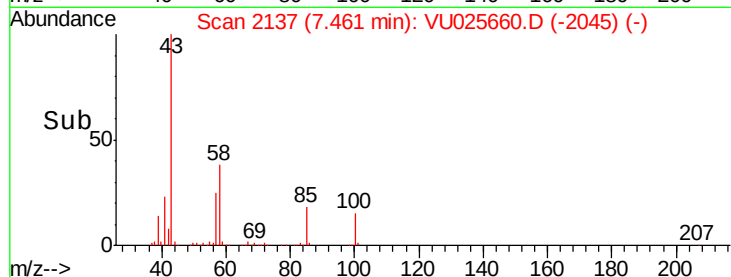
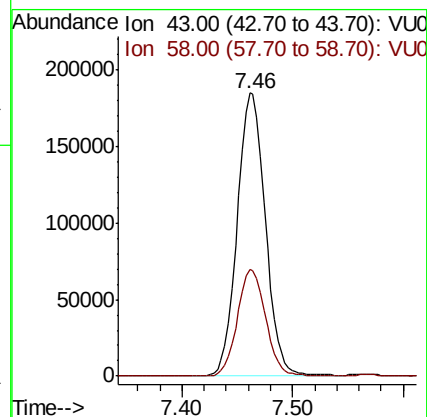
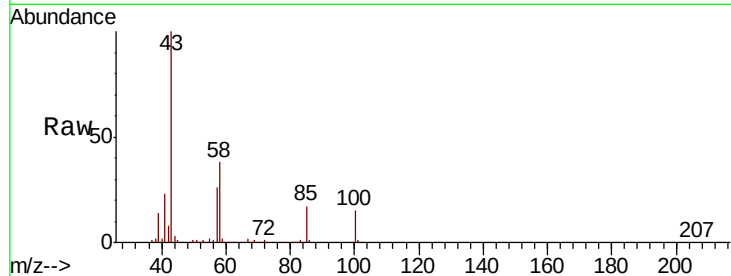
58 37.8 31.0 46.4

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#52

Toluene

Concen: 21.11 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025660.D

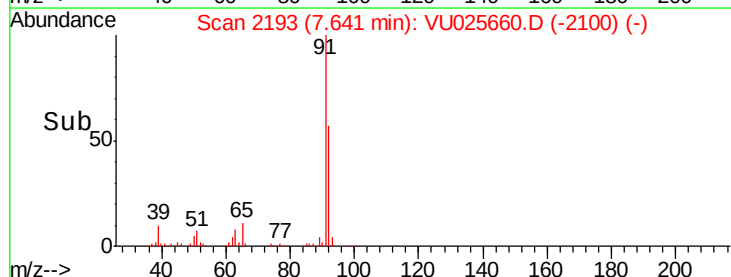
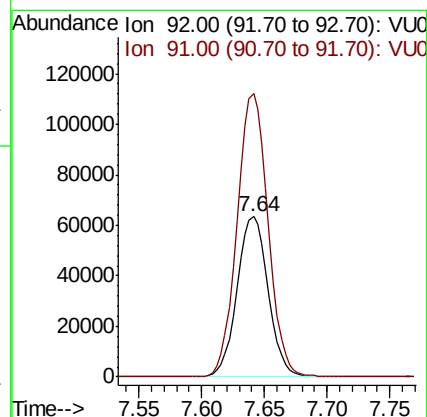
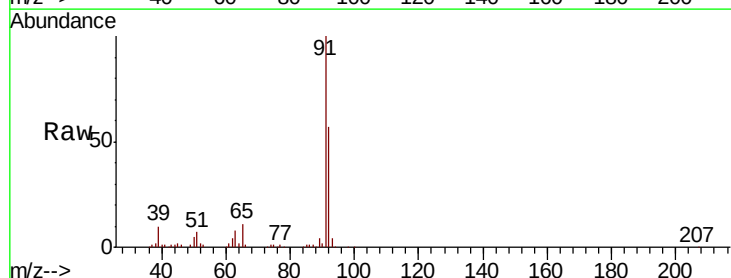
Acq: 27 Jul 2018 10:41

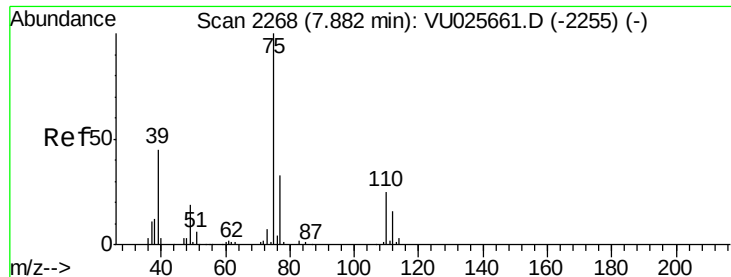
Tgt Ion: 92 Resp: 109117

Ion Ratio Lower Upper

92 100

91 176.4 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 22.21 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 70207

Ion Ratio Lower Upper

75 100

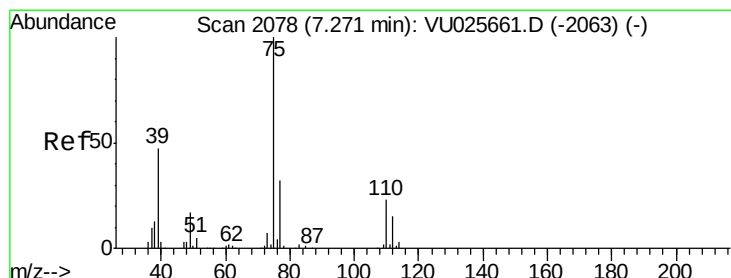
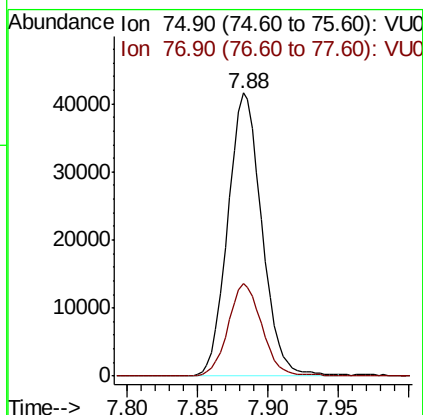
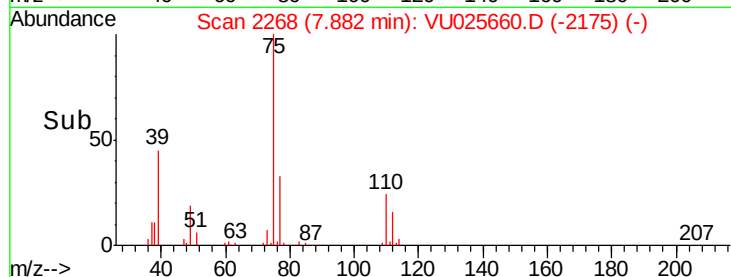
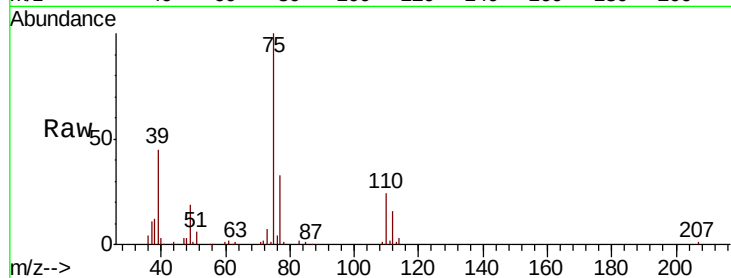
77 32.6 24.5 36.7

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#54

cis-1,3-Dichloropropene

Concen: 21.83 ug/l

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

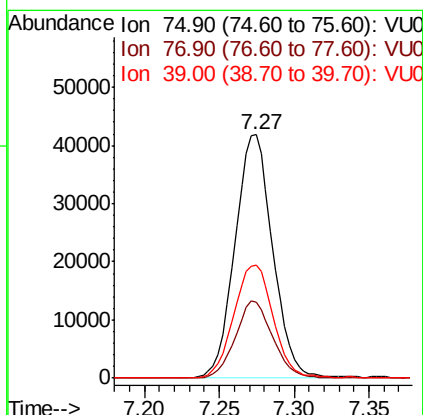
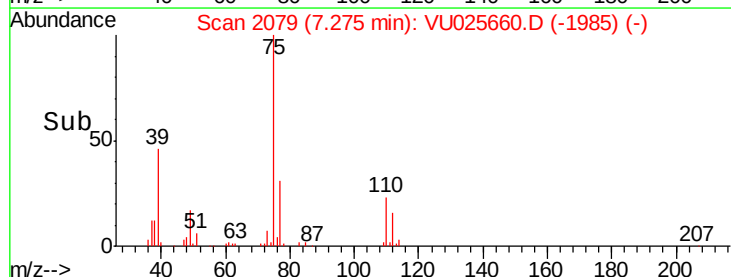
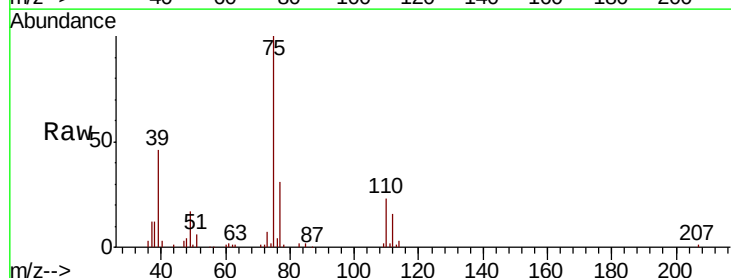
Tgt Ion: 75 Resp: 73435

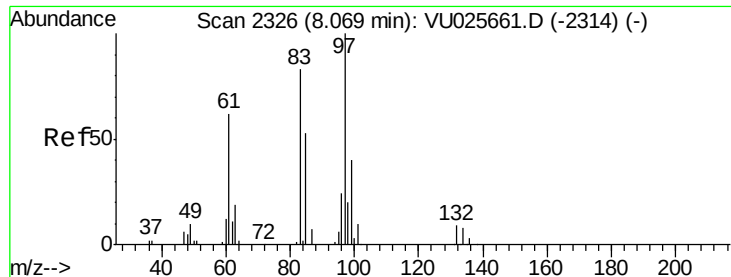
Ion Ratio Lower Upper

75 100

77 31.4 25.6 38.4

39 46.4 40.0 60.0





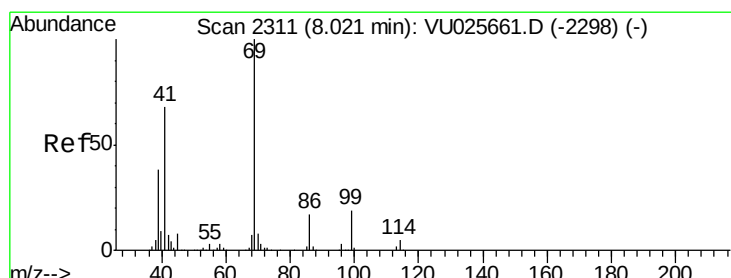
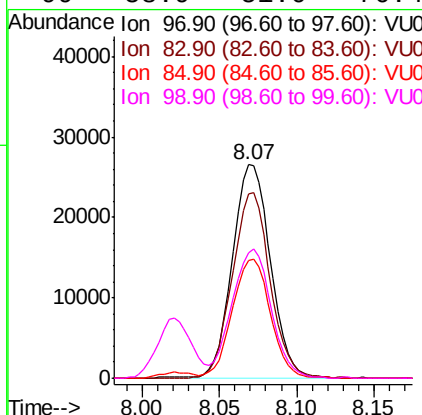
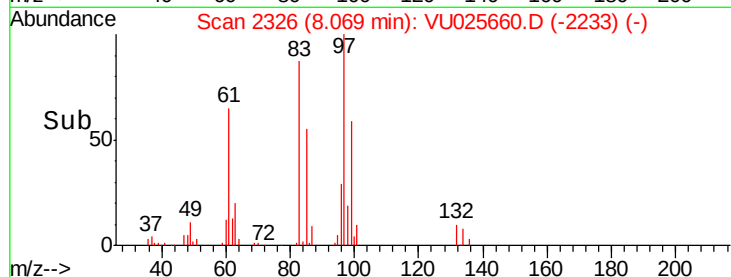
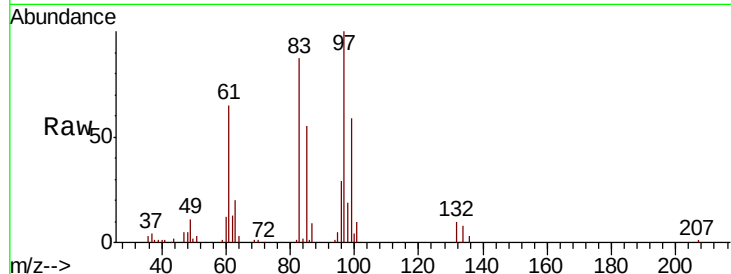
#55
 1,1,2-Trichloroethane
 Concen: 21.10 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025660.D
 Acq: 27 Jul 2018 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	45435
Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.9	103.3
85	55.3	44.4	66.6
99	58.9	51.0	76.4

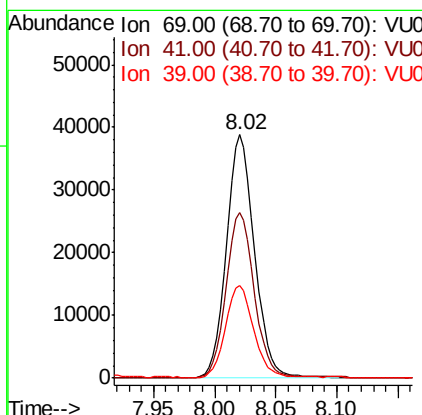
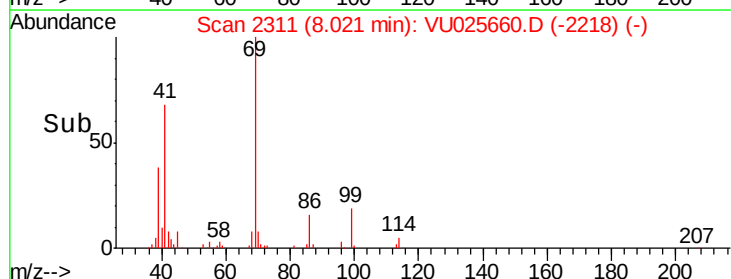
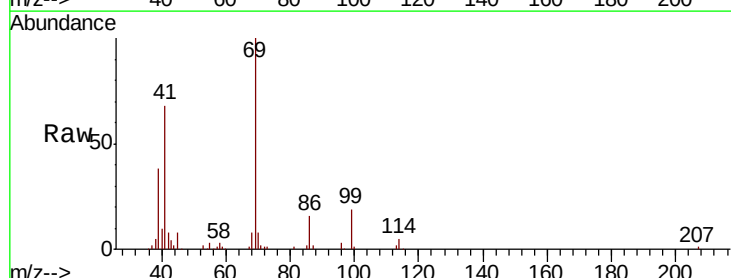
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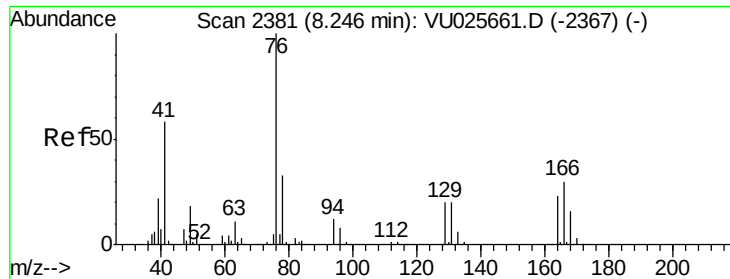
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#56
 Ethyl methacrylate
 Concen: 18.68 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025660.D
 Acq: 27 Jul 2018 10:41

Tgt Ion:	69	Resp:	62817
Ion	Ratio	Lower	Upper
69	100		
41	68.0	54.8	82.2
39	38.9	31.1	46.7





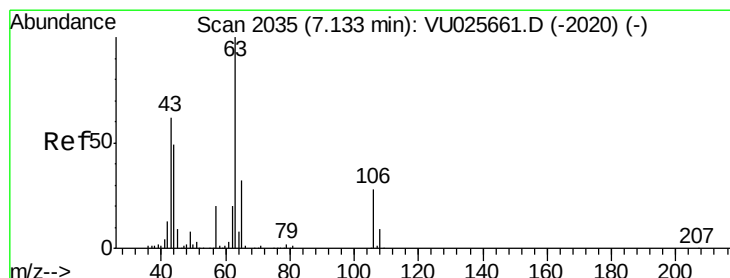
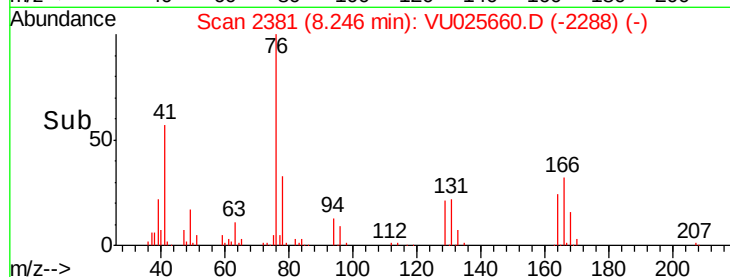
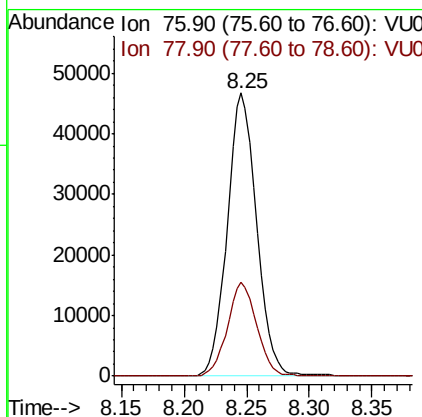
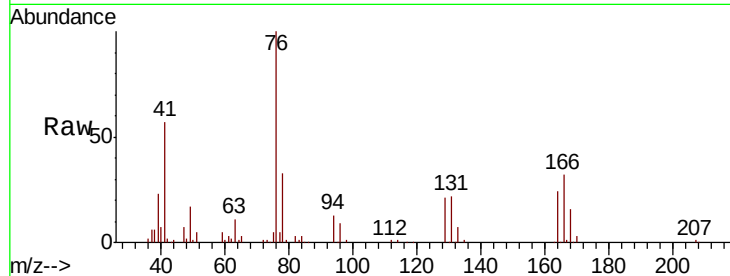
#57
 1,3-Dichloropropane
 Concen: 21.22 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025660.D
 Acq: 27 Jul 2018 10:41

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC020

Tot Ion: 76 Resp: 75833
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.1 39.1

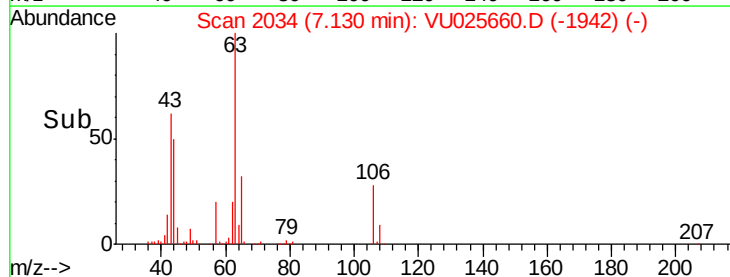
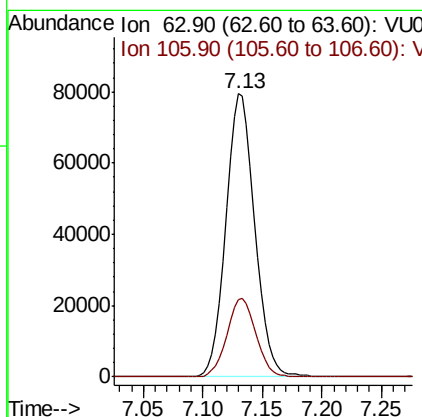
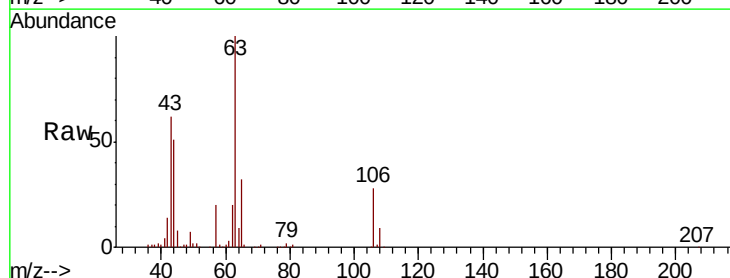
Manual Integrations
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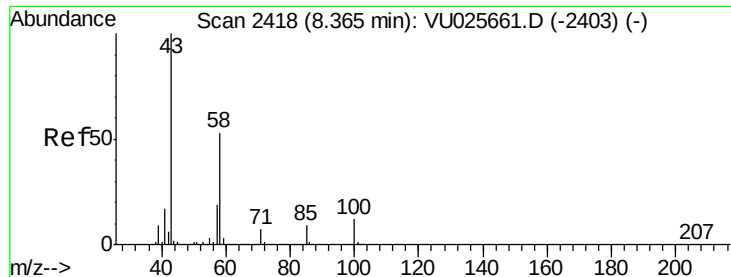
MMDadoda
 7/31/2018 3:47:56 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.58 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025660.D
 Acq: 27 Jul 2018 10:41

Tgt Ion: 63 Resp: 133603
 Ion Ratio Lower Upper
 63 100
 106 27.7 22.3 33.5





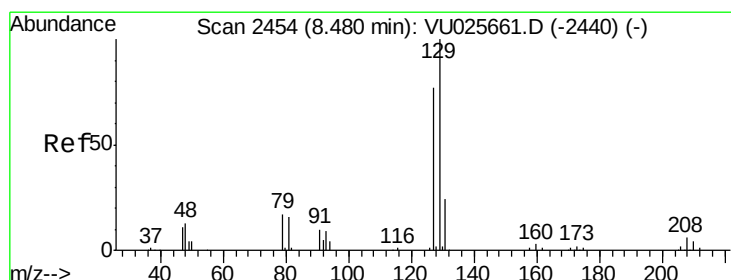
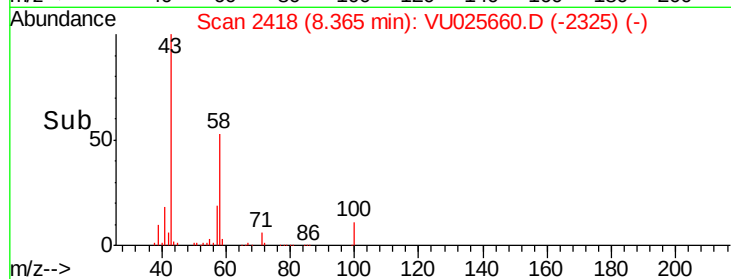
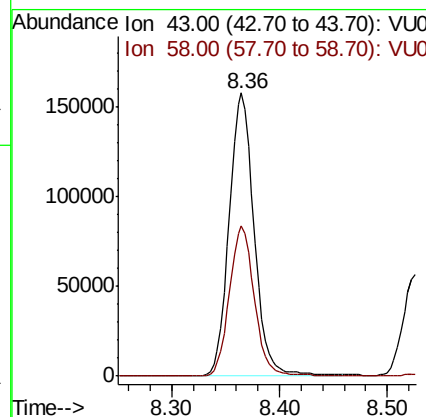
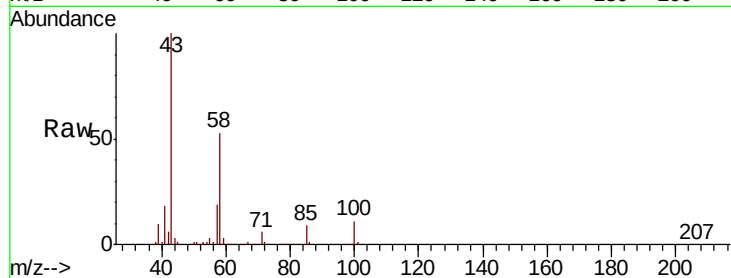
#59
2-Hexanone
Concen: 95.92 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025660.D
Acq: 27 Jul 2018 10:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	254657
Ion Ratio	100	Lower	Upper
43	100		
58	53.0	26.2	78.5

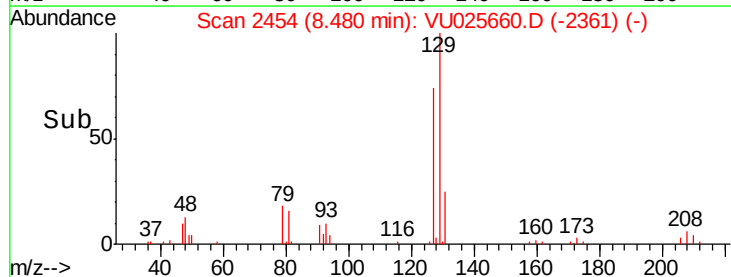
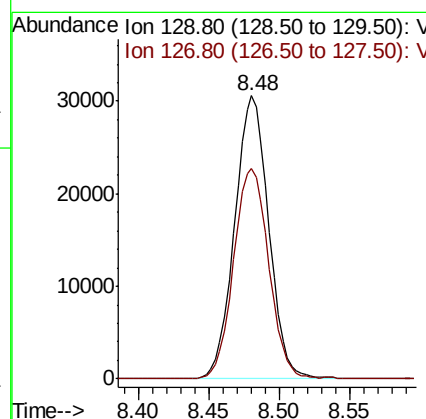
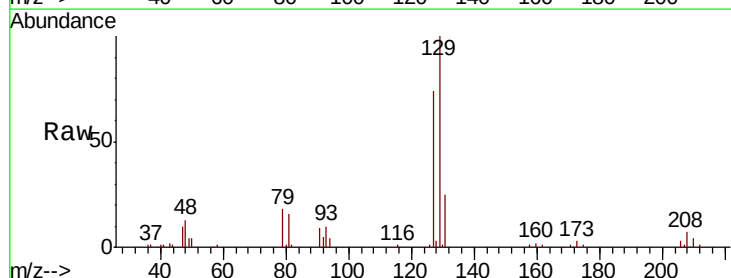
Manual Integrations
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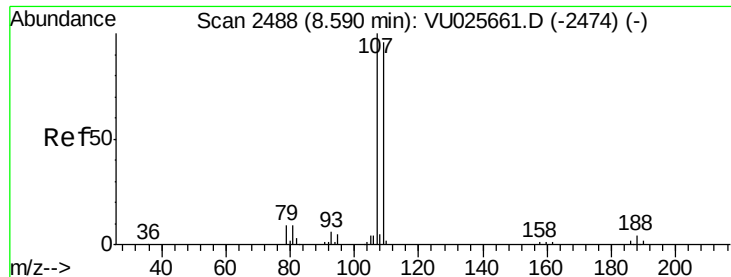
MMDadoda
7/31/2018 3:47:56 PM



#60
Dibromochloromethane
Concen: 22.23 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025660.D
Acq: 27 Jul 2018 10:41

Tgt Ion	129	Resp	51682
Ion Ratio	100	Lower	Upper
129	100		
127	76.5	38.6	115.8





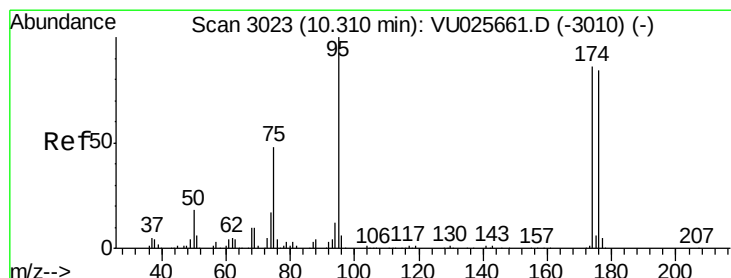
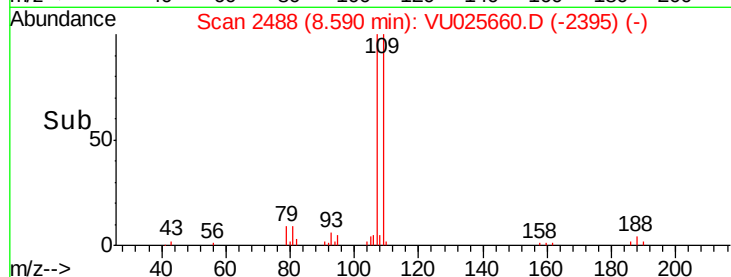
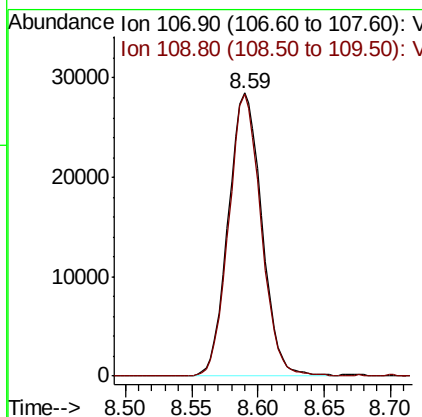
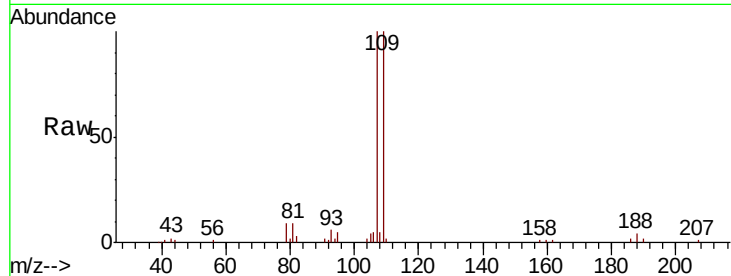
#61
 1,2-Dibromoethane
 Concen: 21.80 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025660.D
 Acq: 27 Jul 2018 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	75.8	113.8

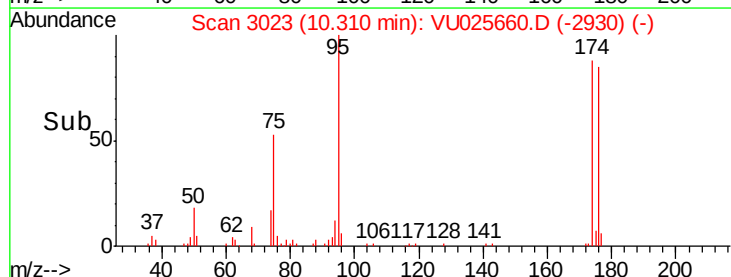
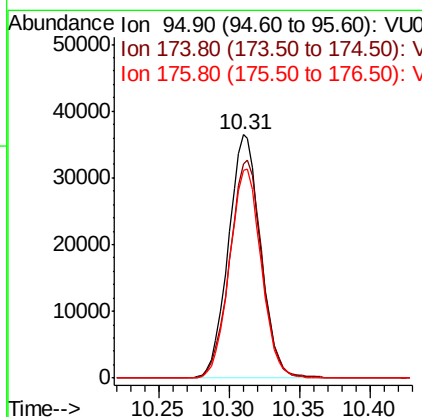
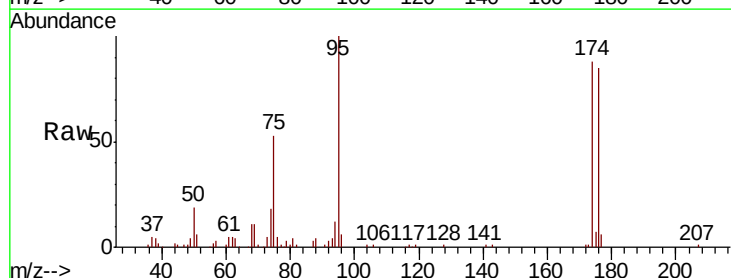
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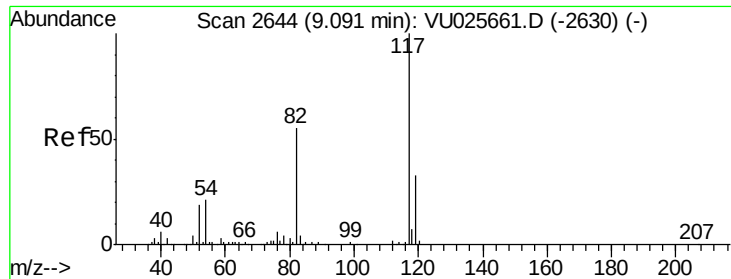
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#62
 4-Bromofluorobenzene
 Concen: 19.65 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025660.D
 Acq: 27 Jul 2018 10:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.5	0.0	172.2
176	85.0	0.0	162.6





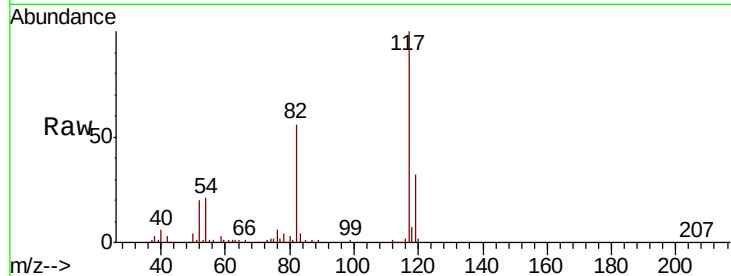
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025660.D
Acq: 27 Jul 2018 10:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	46.0	69.0
119	32.1	26.0	39.0

Manual Integrations
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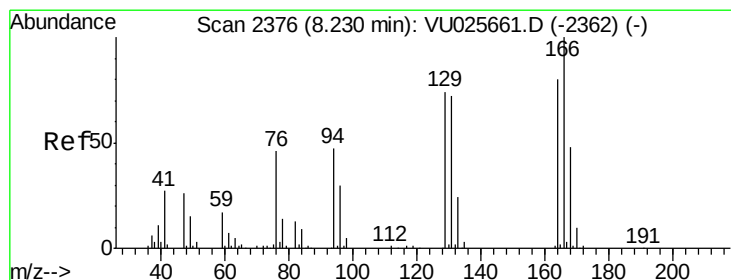
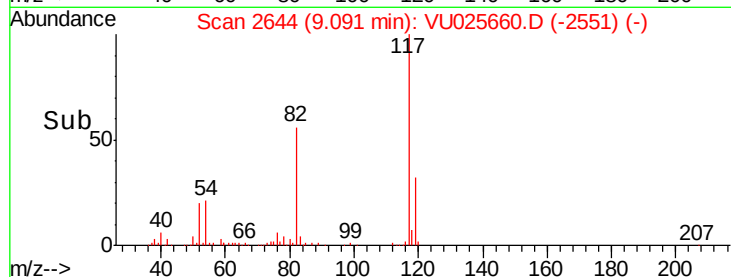
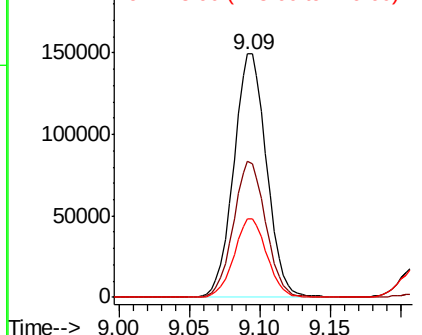


Abundance

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: 19.49 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU025660.D
Acq: 27 Jul 2018 10:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	101.1	151.7
129	95.2	73.0	109.6
131	93.0	72.1	108.1

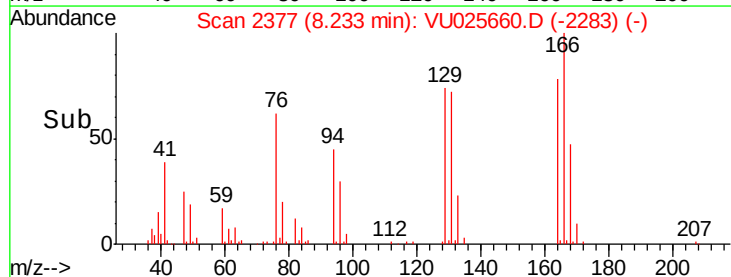
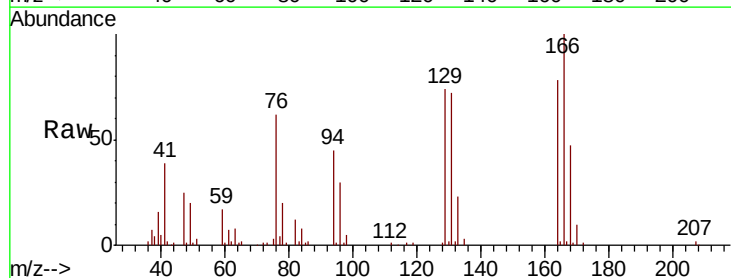
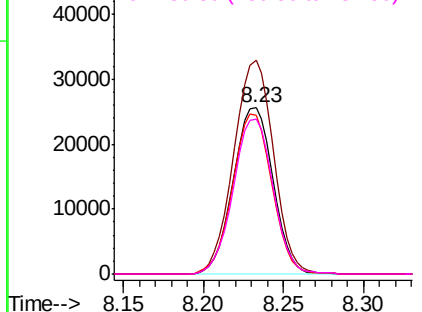
Abundance

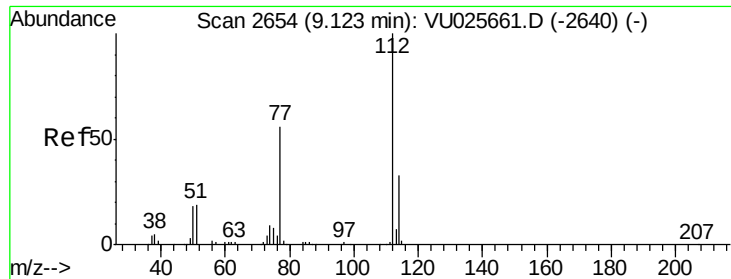
Ion 163.80 (163.50 to 164.50): V

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: 20.98 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 127859

Ion Ratio Lower Upper

112 100

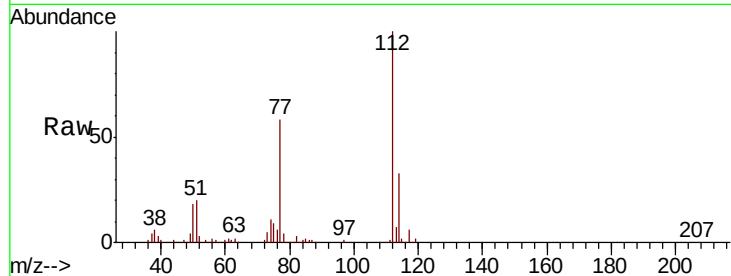
114 33.2 25.8 38.8

Manual Integrations

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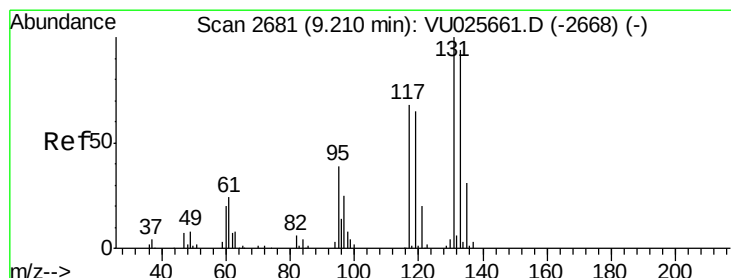
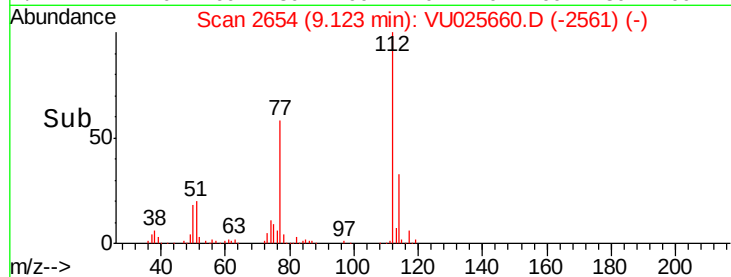
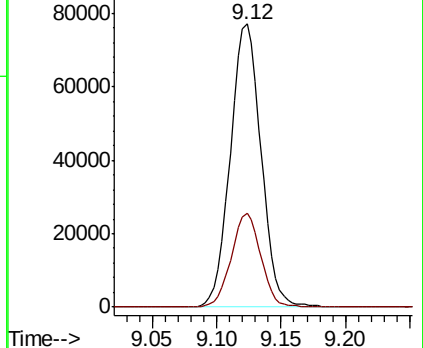
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.18 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

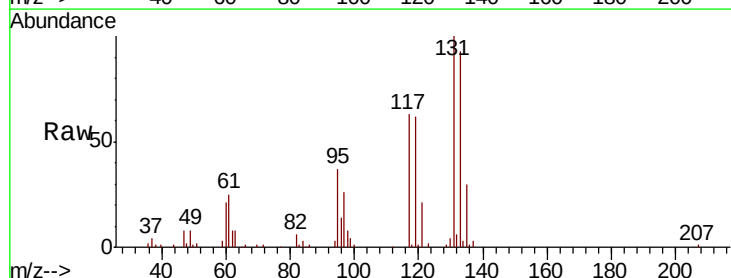
Tgt Ion:131 Resp: 48349

Ion Ratio Lower Upper

131 100

133 93.2 47.8 143.3

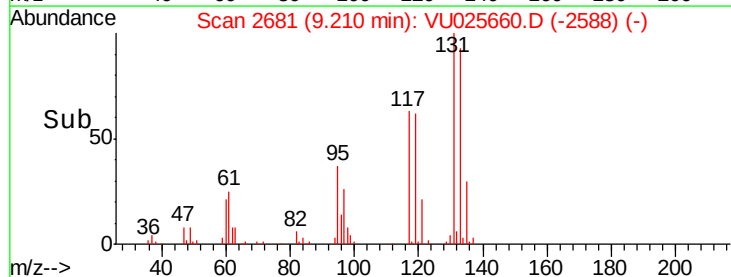
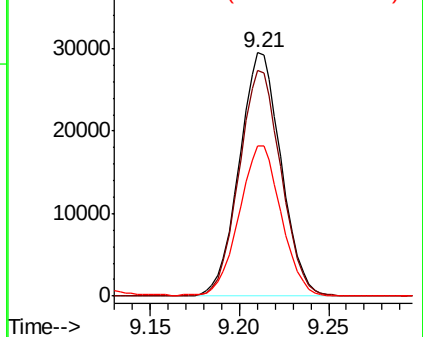
119 62.3 31.6 95.0

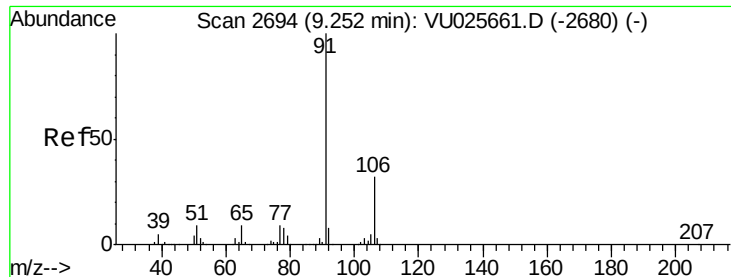


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.38 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 211704

Ion Ratio Lower Upper

91 100

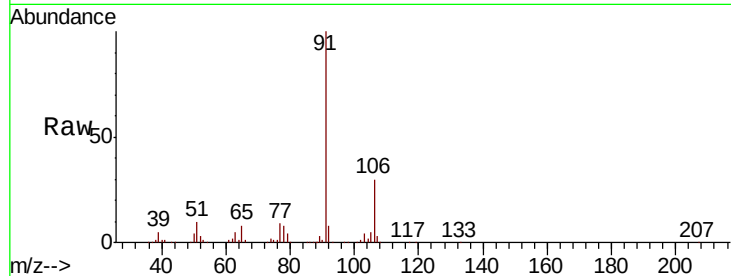
106 29.5 25.3 37.9

Manual Integrations

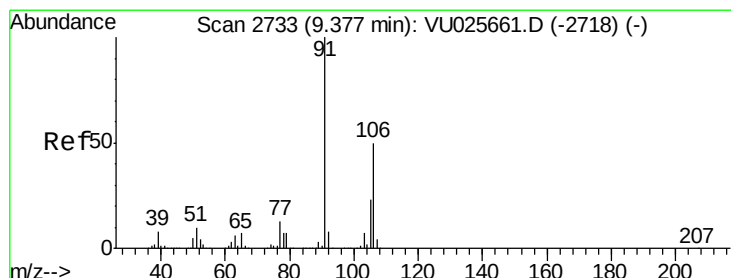
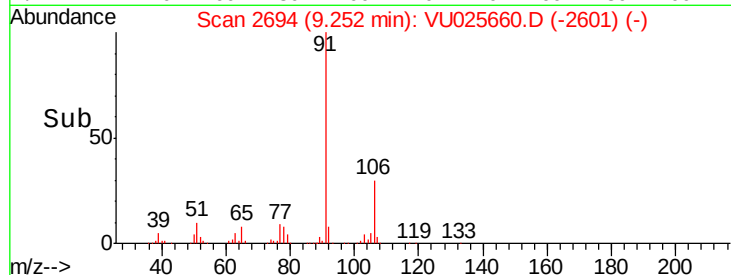
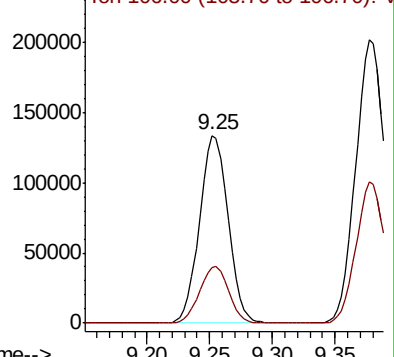
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Abundance Ion 91.00 (90.70 to 91.70): VU025660.D (-2680) (-)



#68

m/p-Xylenes

Concen: 40.79 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025660.D

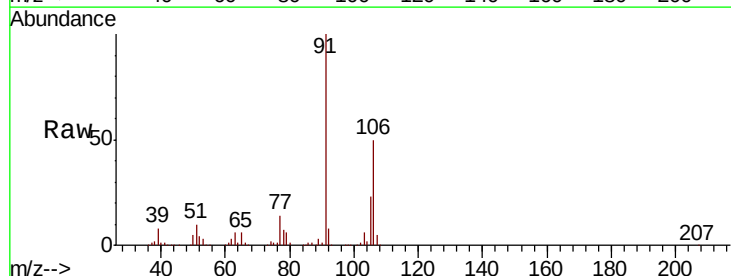
Acq: 27 Jul 2018 10:41

Tgt Ion: 106 Resp: 163809

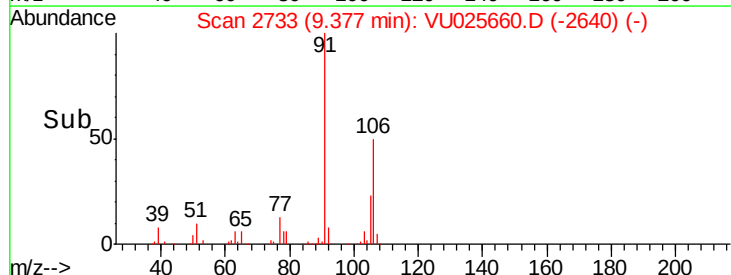
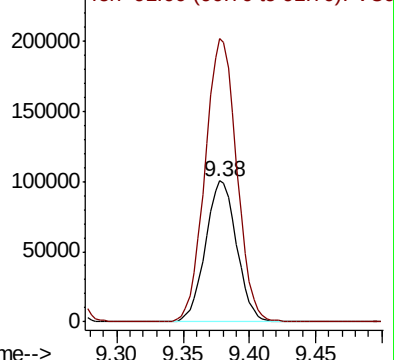
Ion Ratio Lower Upper

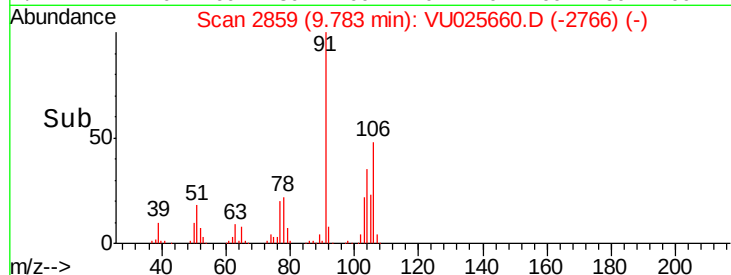
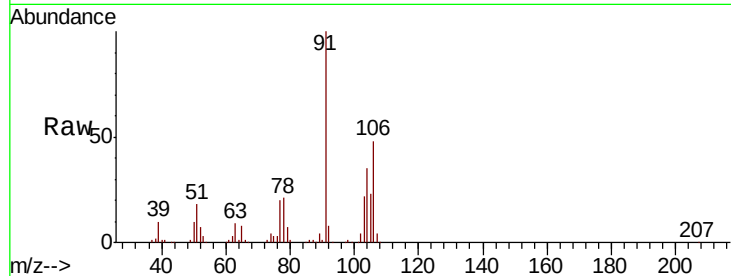
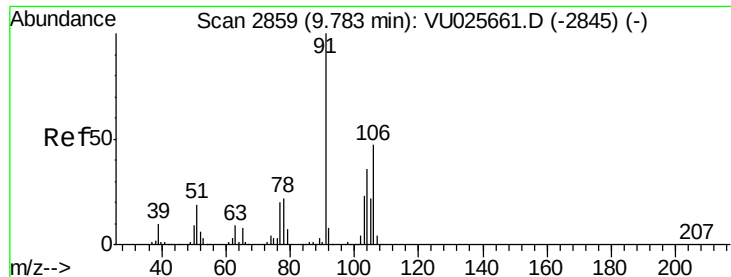
106 100

91 203.9 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): VU025660.D (-2718) (-)





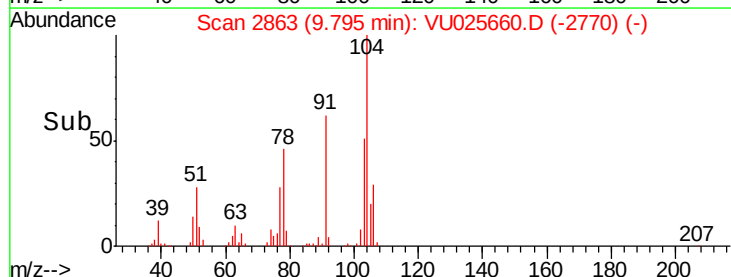
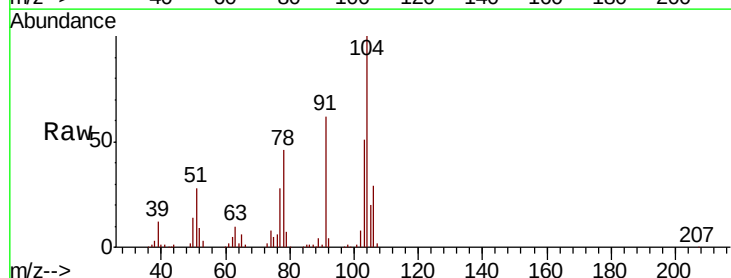
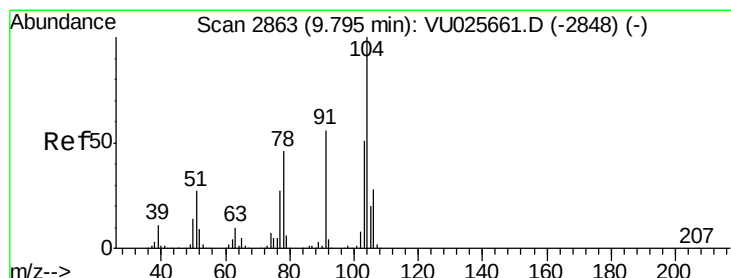
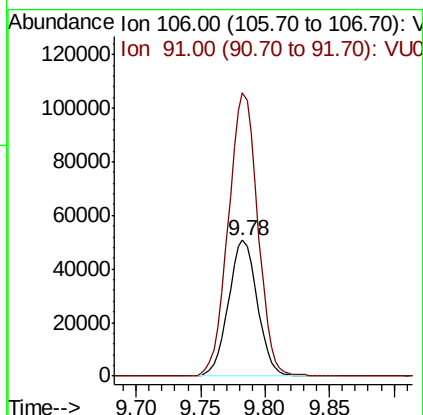
#69
o-Xylene
Concen: 19.68 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025660.D
Acq: 27 Jul 2018 10:41

Tot Ion:106 Resp: 79148
Ion Ratio Lower Upper
106 100
91 212.2 105.3 315.8

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

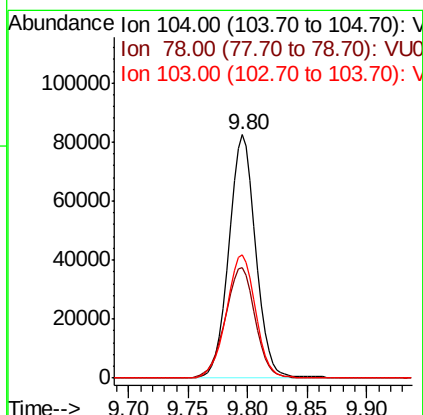
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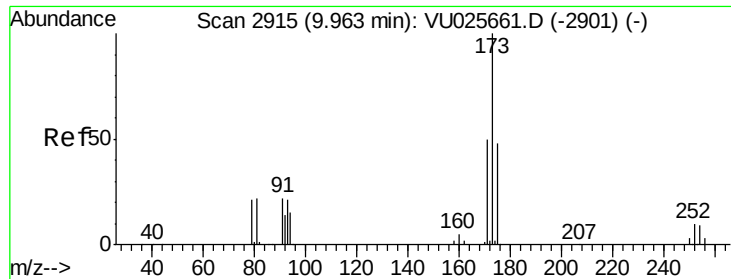
MMDadoda
7/31/2018 3:47:56 PM



#70
Styrene
Concen: 20.22 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025660.D
Acq: 27 Jul 2018 10:41

Tgt Ion:104 Resp: 129157
Ion Ratio Lower Upper
104 100
78 50.9 41.6 62.4
103 55.2 44.6 66.8





#71

Bromoform

Concen: 20.36 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 38386

Ion Ratio Lower Upper

173 100

175 50.2 24.0 72.0

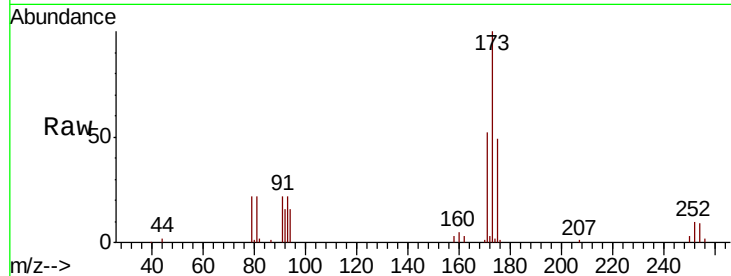
254 0.0 0.0 0.0

Manual Integrations

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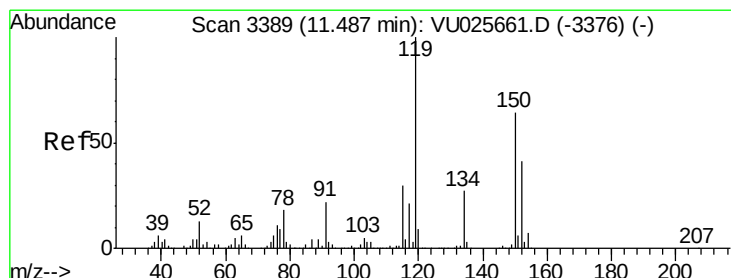
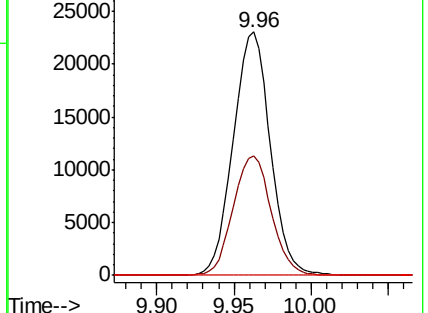
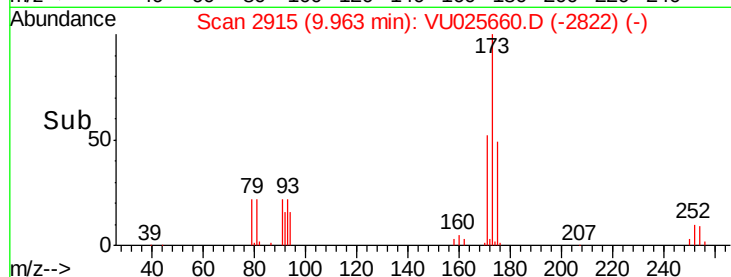
7/31/2018 3:47:56 PM



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: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

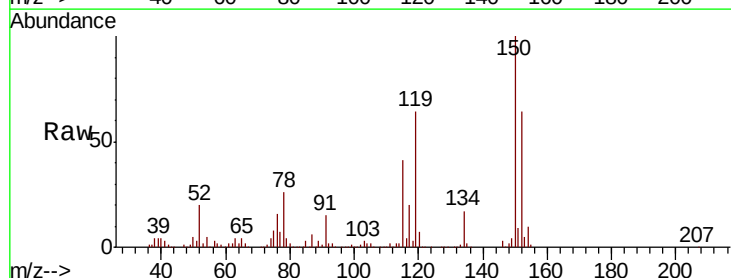
Tgt Ion:152 Resp: 153543

Ion Ratio Lower Upper

152 100

115 66.0 40.1 120.3

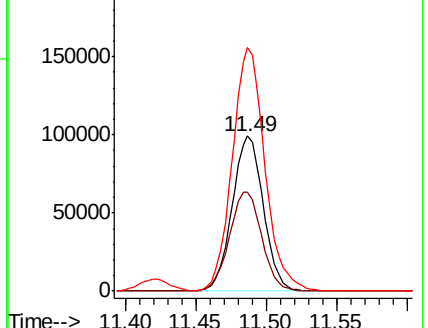
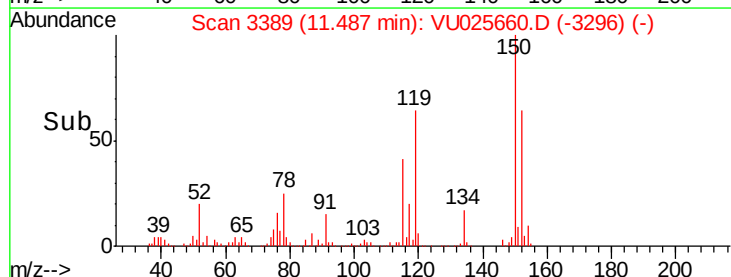
150 163.8 0.0 351.4

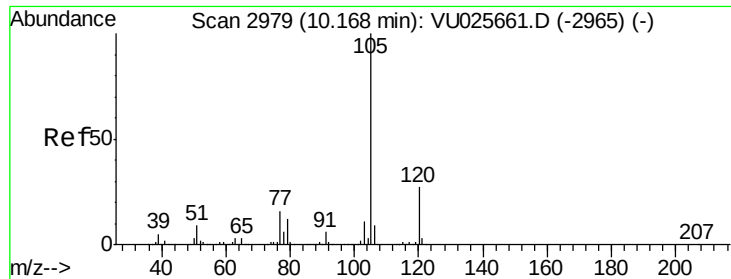


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.37 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 215500

Ion Ratio Lower Upper

105 100

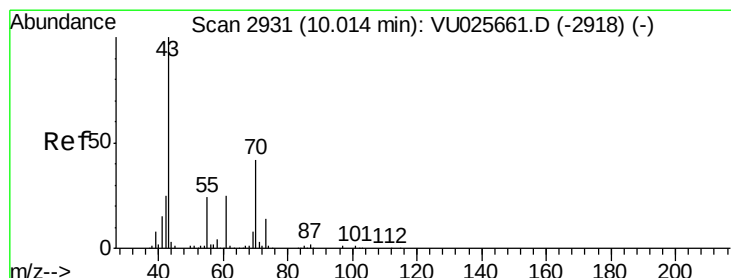
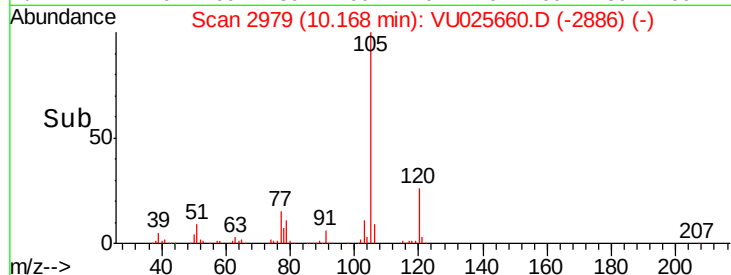
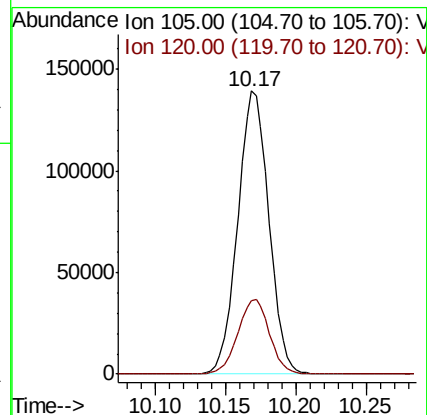
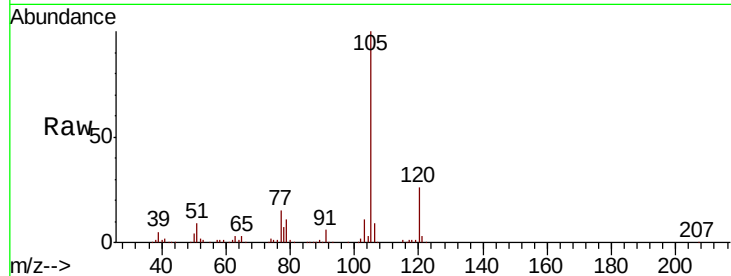
120 26.8 13.5 40.5

Manual Integrations

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7/31/2018 3:47:56 PM



#74

N-ethyl acetate

Concen: 17.15 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Tgt Ion: 43 Resp: 87335

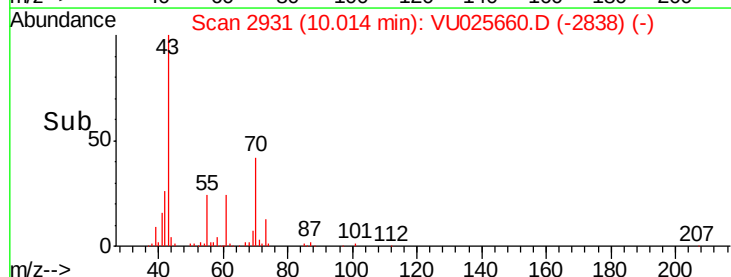
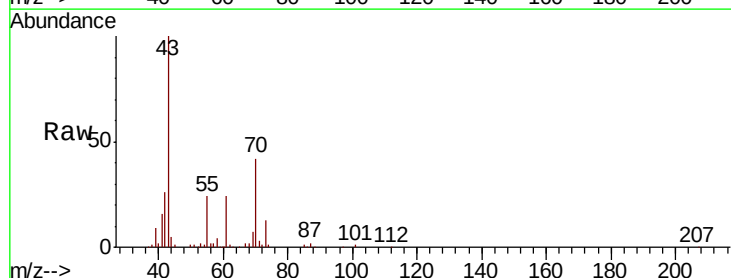
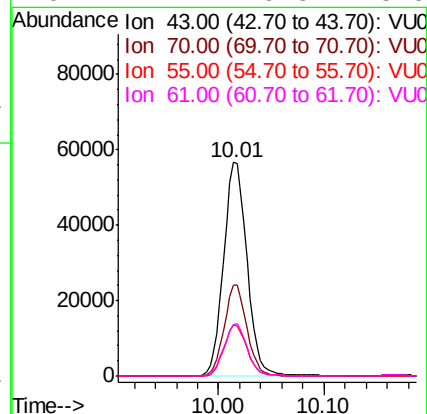
Ion Ratio Lower Upper

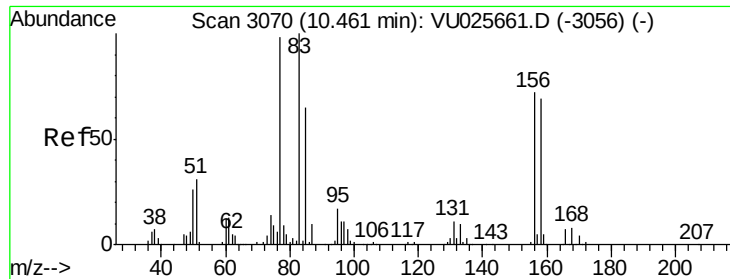
43 100

70 40.9 33.4 50.2

55 23.1 19.0 28.6

61 24.2 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.21 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 73721

Ion Ratio Lower Upper

83 100

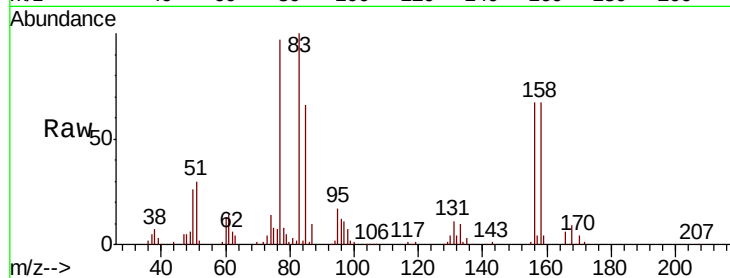
131 10.6 5.5 16.4

85 65.6 31.6 94.8

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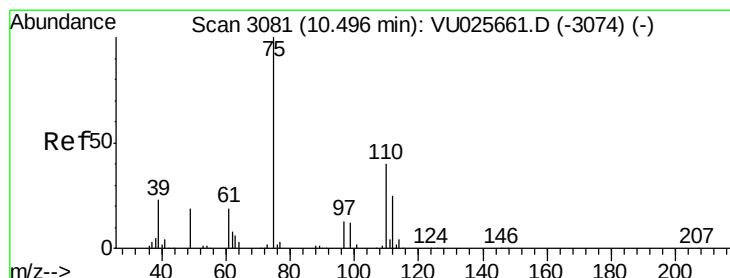
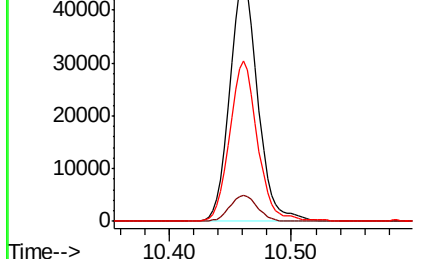
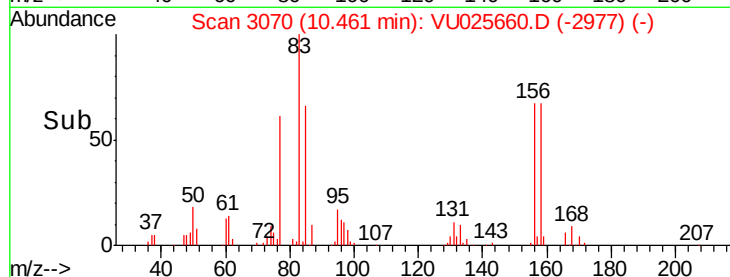


Abundance Ion 82.90 (82.60 to 83.60): VU025660.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025660.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025660.D (-2977) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 18.66 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025660.D

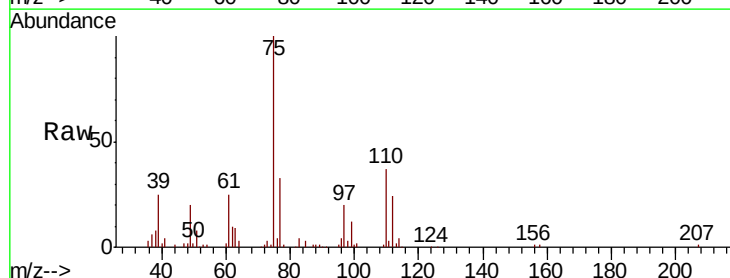
Acq: 27 Jul 2018 10:41

Tgt Ion: 75 Resp: 65239

Ion Ratio Lower Upper

75 100

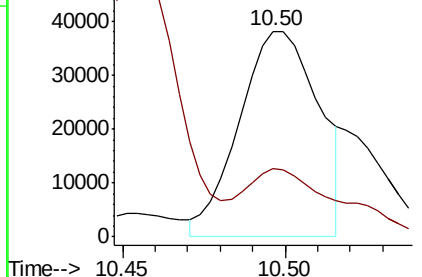
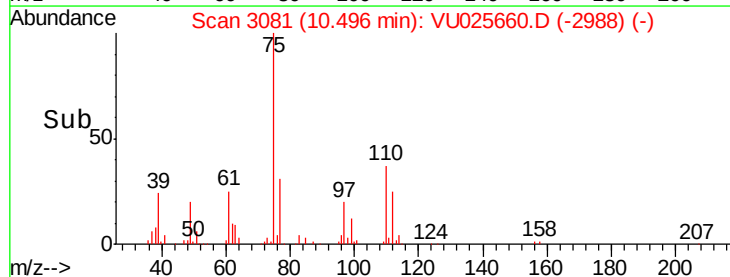
77 39.4 20.4 61.3

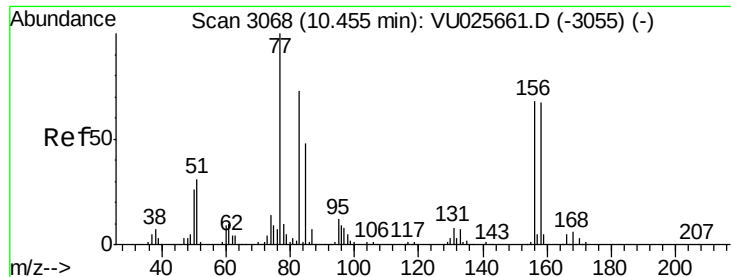


Abundance Ion 74.90 (74.60 to 75.60): VU025660.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025660.D (-2988) (-)

Time-->





#77

Bromobenzene

Concen: 18.90 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Instrument :

MSVOA_U

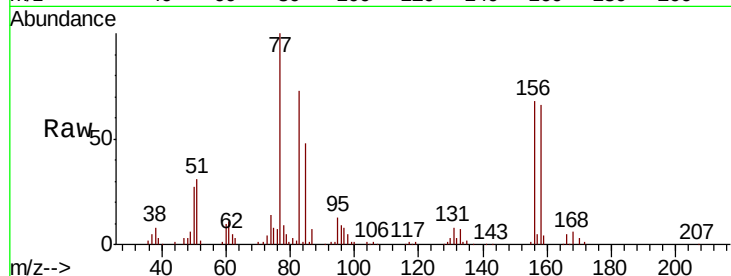
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	56711
Ion Ratio	Lower	Upper	
156	100		
77	149.6	73.8	221.4
158	98.2	48.0	144.0

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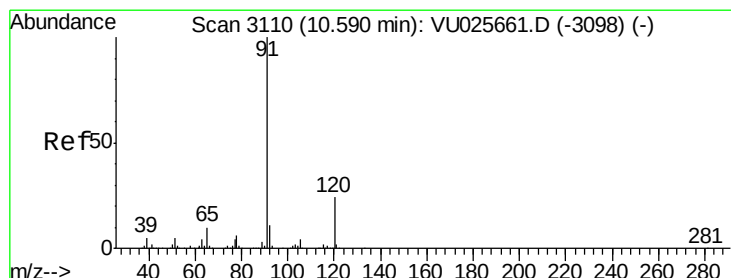
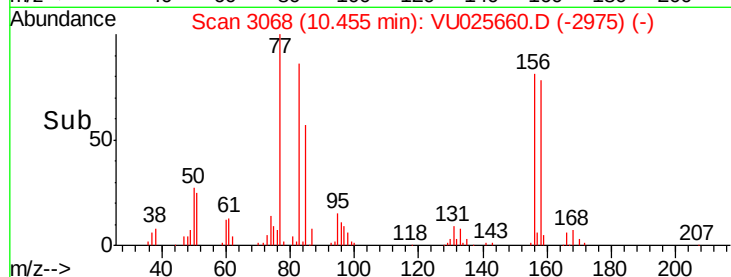
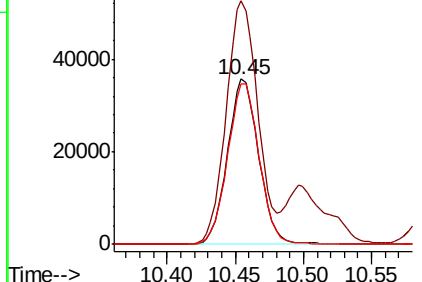
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.31 ug/l

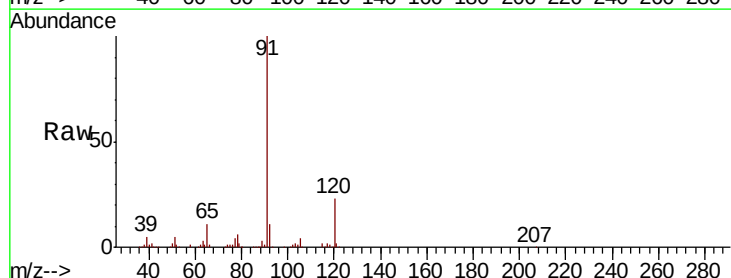
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025660.D

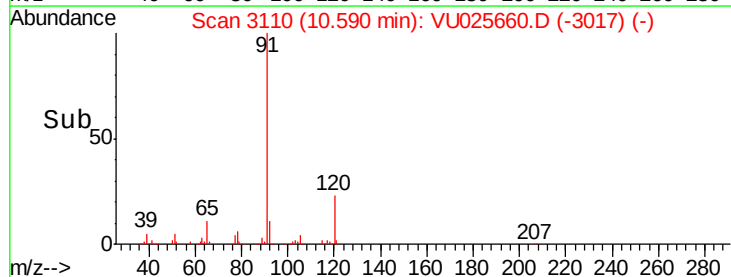
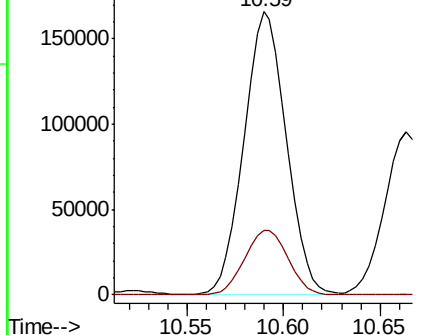
Acq: 27 Jul 2018 10:41

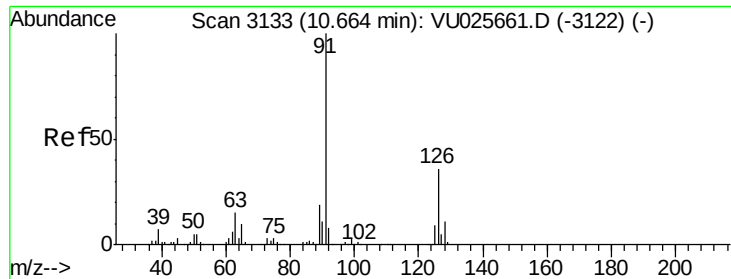
Tgt Ion:	91	Resp:	251434
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.21 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 148396

Ion Ratio Lower Upper

91 100

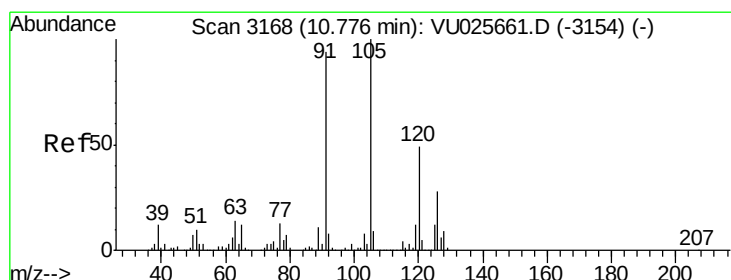
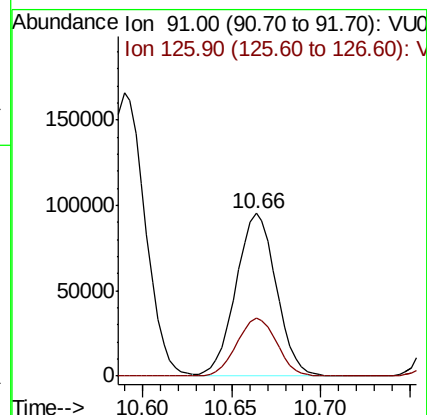
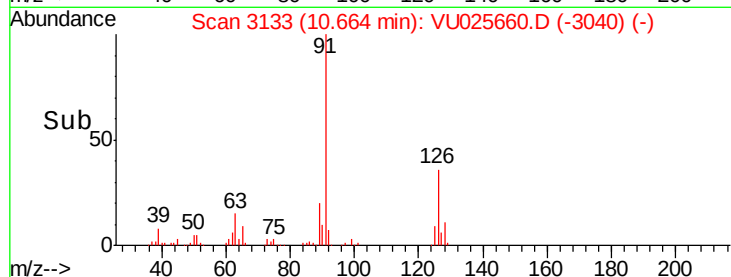
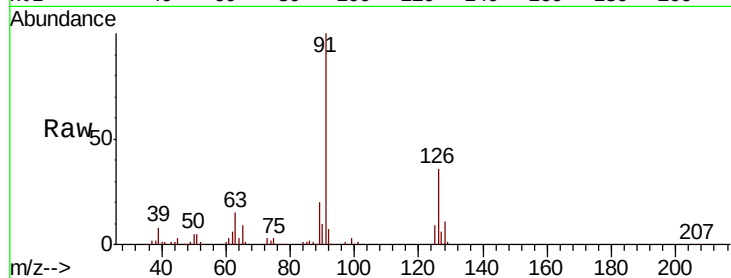
126 35.9 17.5 52.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.84 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025660.D

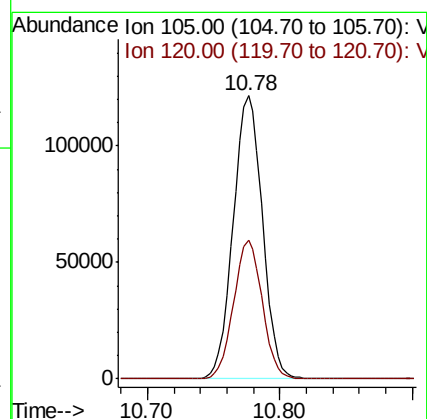
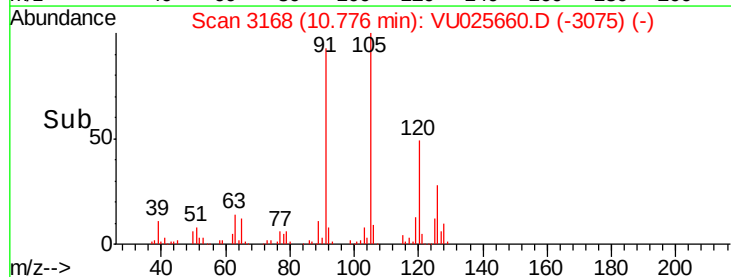
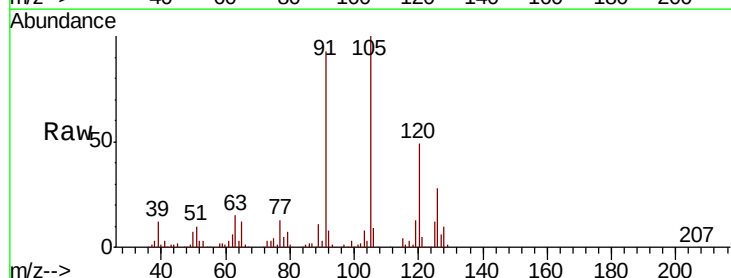
Acq: 27 Jul 2018 10:41

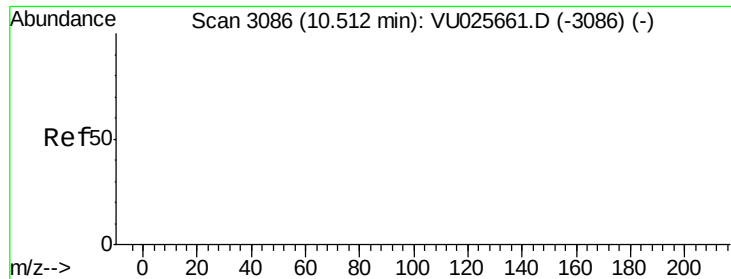
Tgt Ion: 105 Resp: 185931

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.2





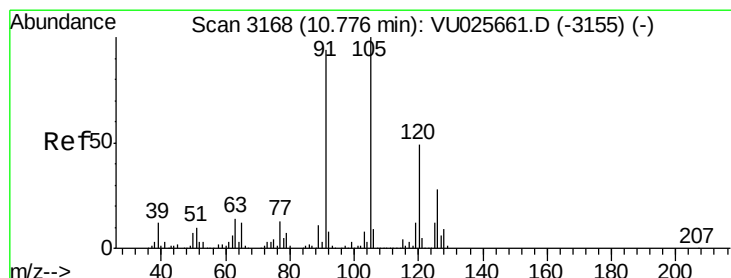
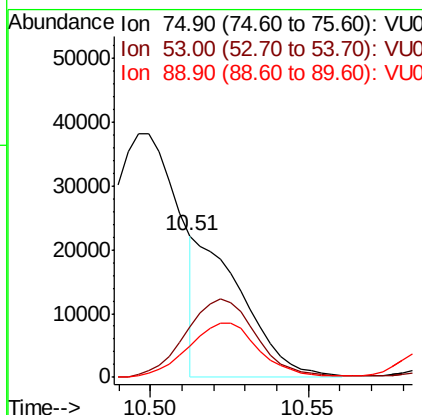
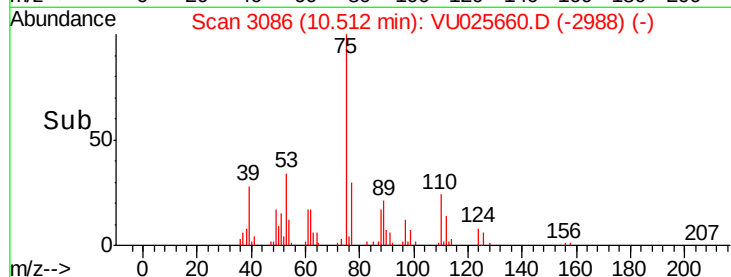
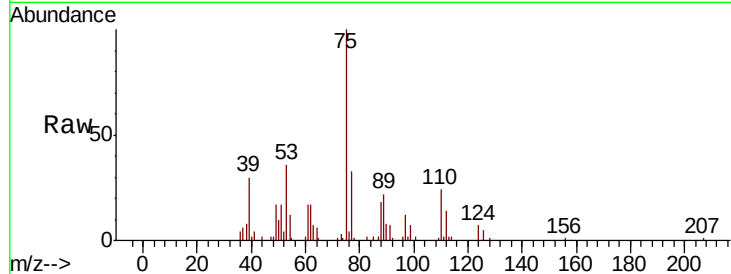
#81
trans-1,4-Dichloro-2-butene
Concen: 19.21 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.02 min
Lab File: VU025660.D
Acq: 27 Jul 2018 10:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

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

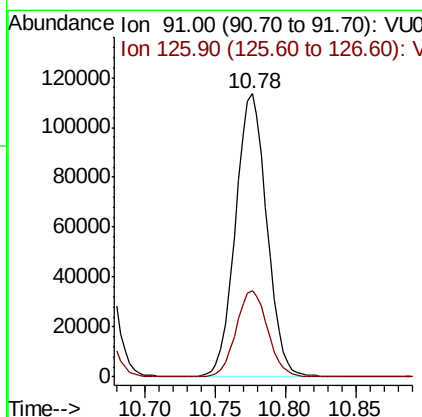
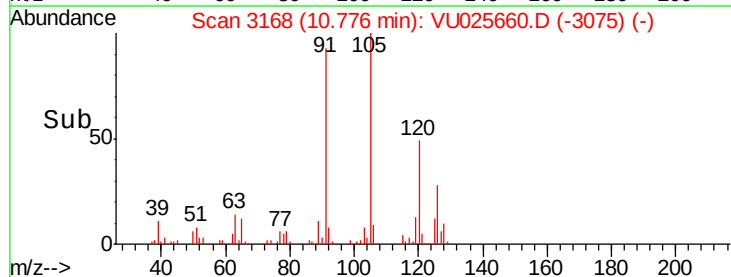
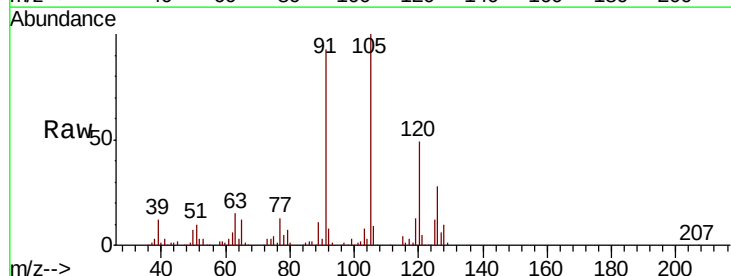
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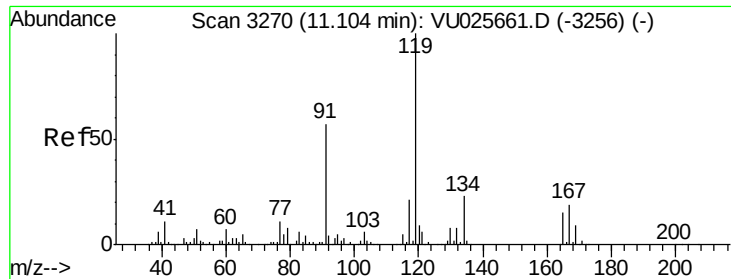
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#82
4-Chlorotoluene
Concen: 19.12 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025660.D
Acq: 27 Jul 2018 10:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.3	45.9





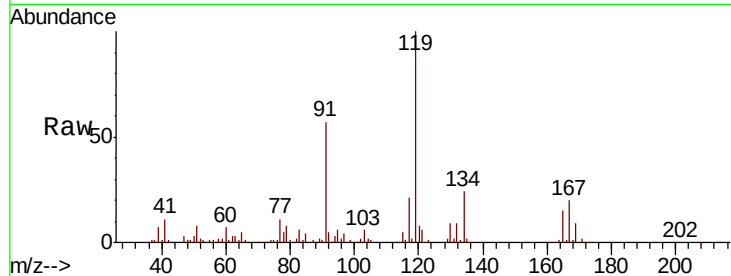
#83
 tert-Butylbenzene
 Concen: 18.02 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025660.D
 Acq: 27 Jul 2018 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	179773		
91	57.5		29.7	89.1
134	23.1		11.5	34.5

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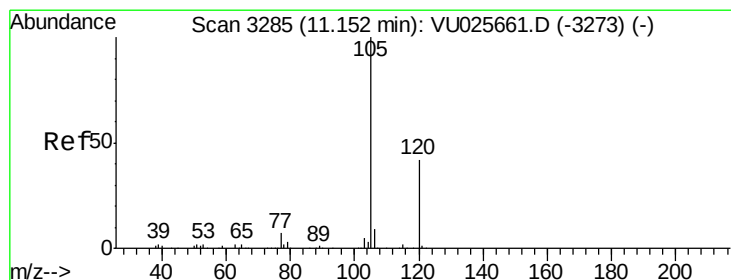
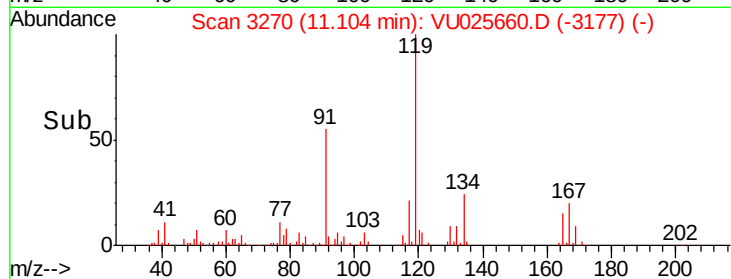
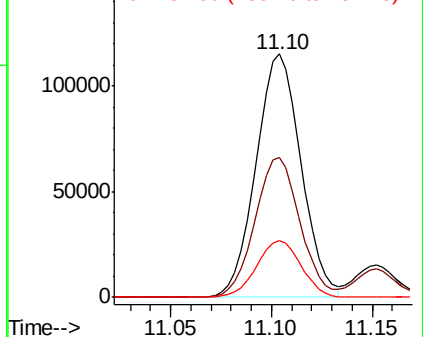


Abundance

Ion 119.00 (118.70 to 119.70): V

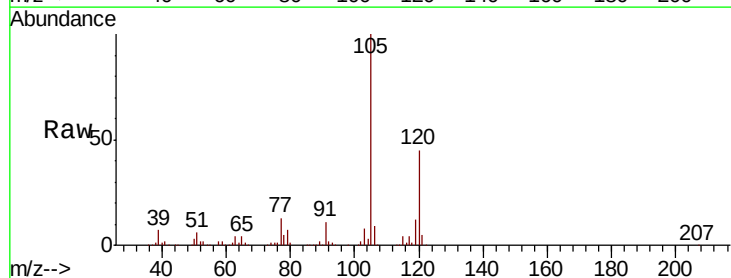
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
 1,2,4-Trimethylbenzene
 Concen: 18.53 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025660.D
 Acq: 27 Jul 2018 10:41

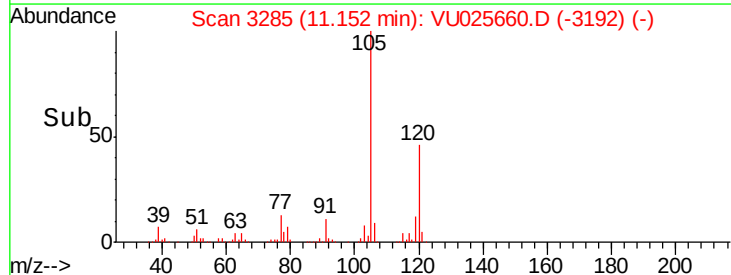
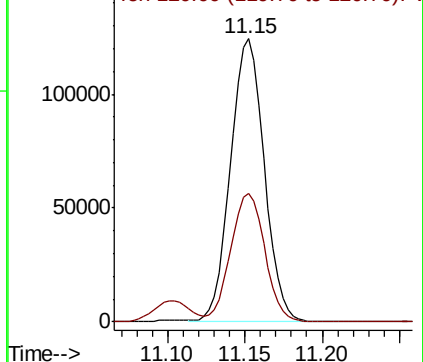
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	187472		
120	46.0		22.3	66.8

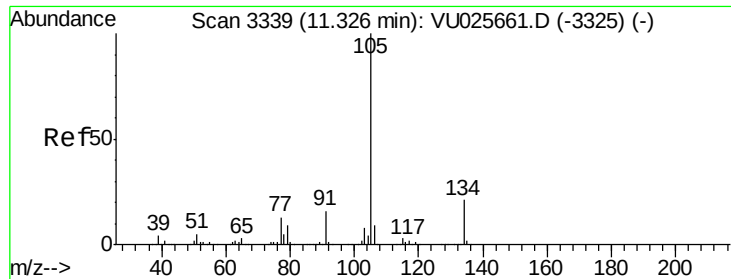


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





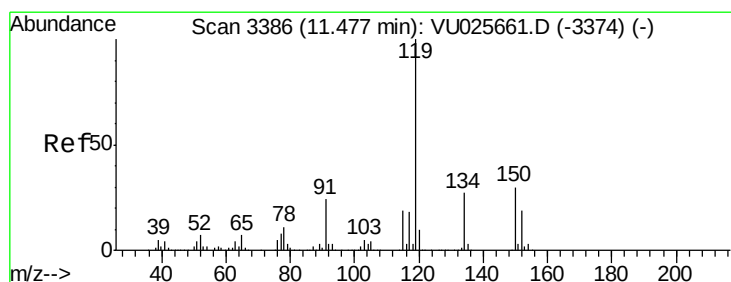
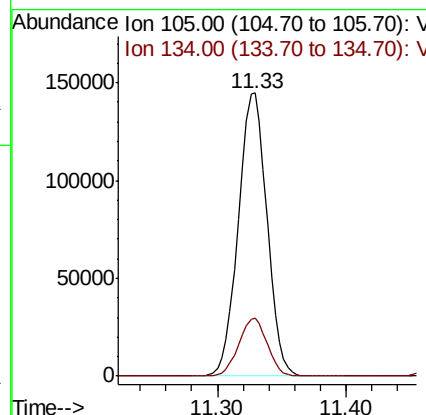
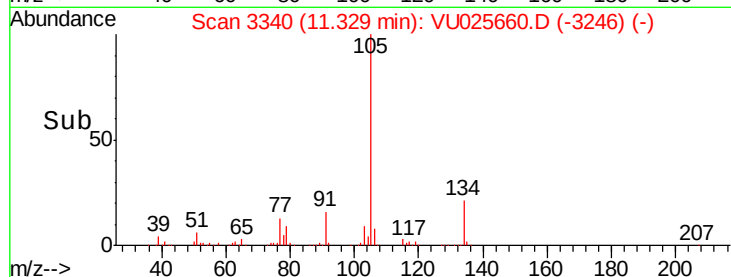
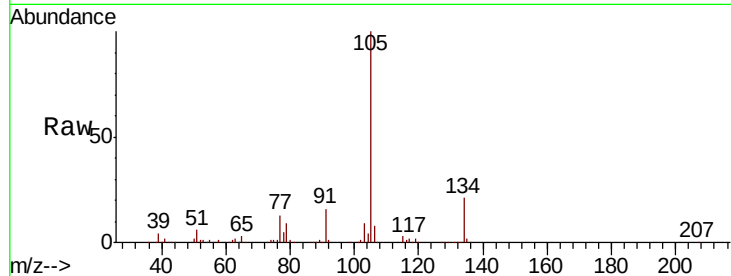
#85
 sec-Butylbenzene
 Concen: 19.03 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU025660.D
 Acq: 27 Jul 2018 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.3	30.8

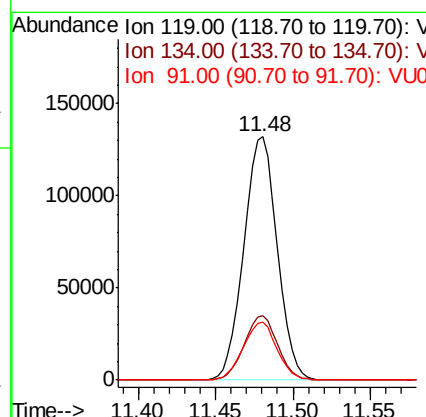
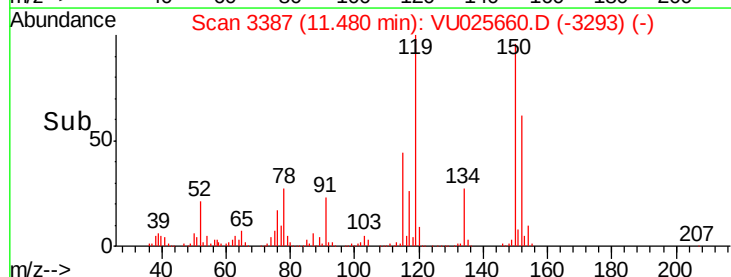
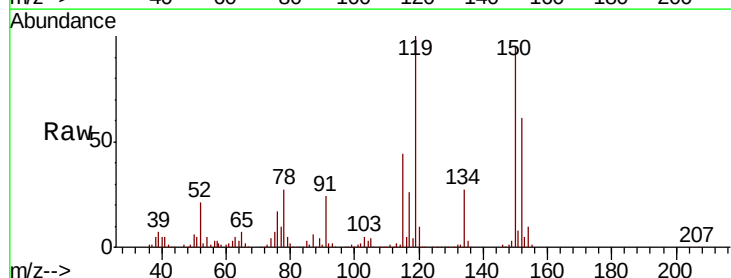
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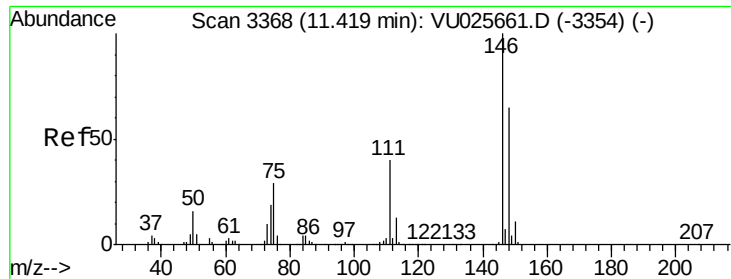
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#86
 p-Isopropyltoluene
 Concen: 19.03 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025660.D
 Acq: 27 Jul 2018 10:41

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.2	39.5
91	24.2	12.0	36.1





#87

1,3-Dichlorobenzene

Concen: 19.77 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Instrument :

MSVOA_U

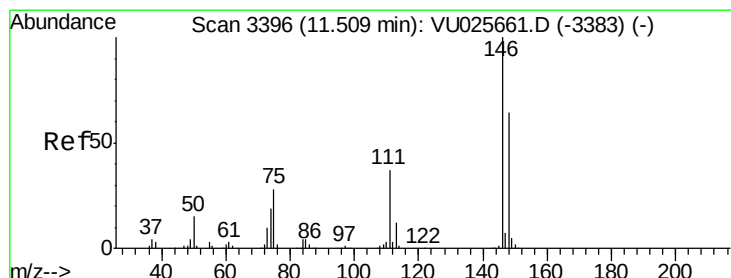
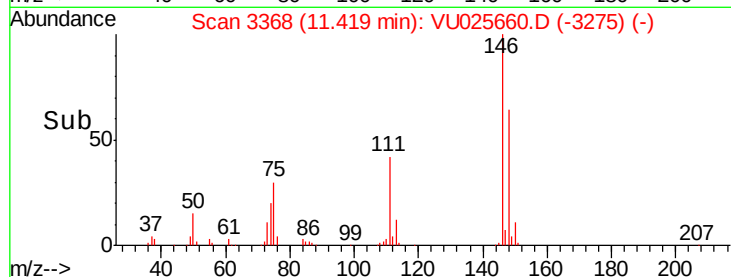
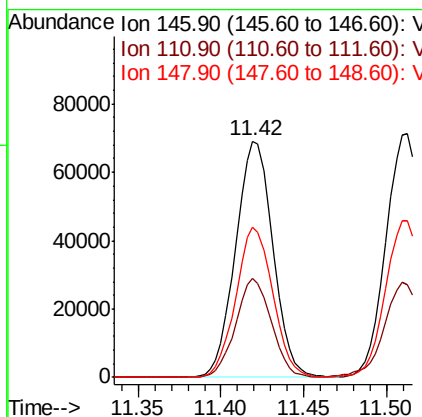
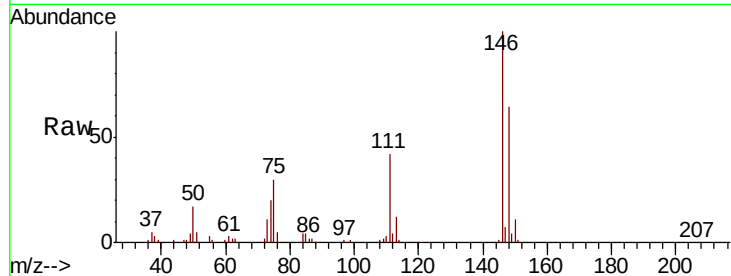
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	108458
Ion Ratio	Lower	Upper	
146	100		
111	40.0	19.7	59.1
148	62.9	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.70 ug/l

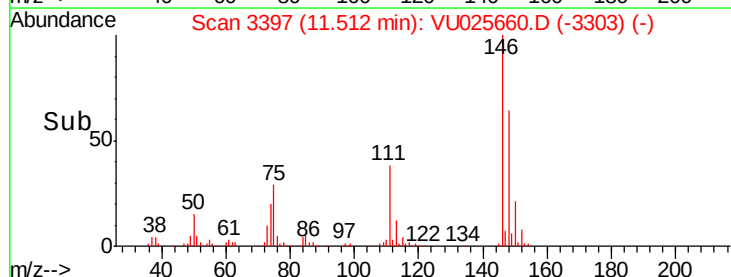
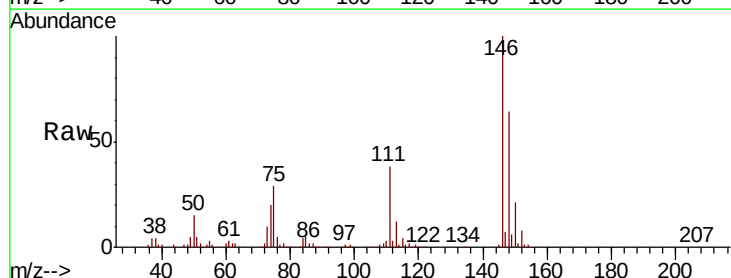
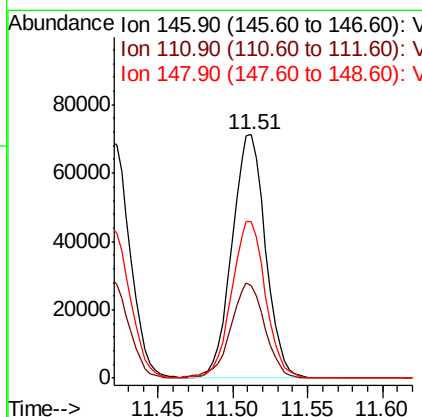
RT: 11.51 min Scan# 3397

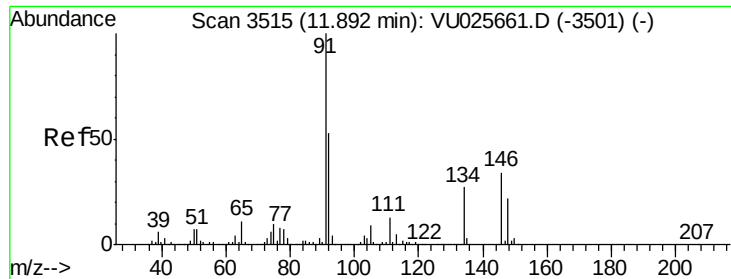
Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Tgt Ion:	146	Resp:	110997
Ion Ratio	Lower	Upper	
146	100		
111	39.8	19.4	58.1
148	64.9	31.7	95.1





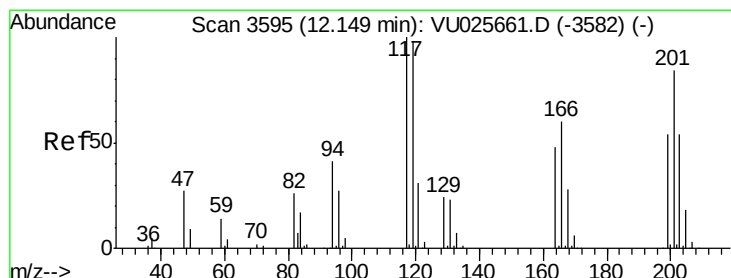
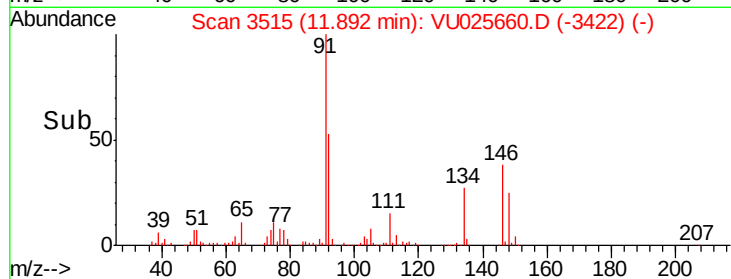
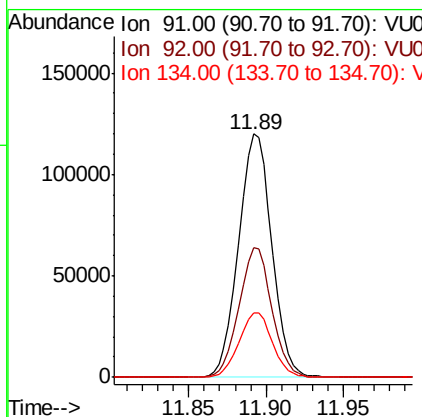
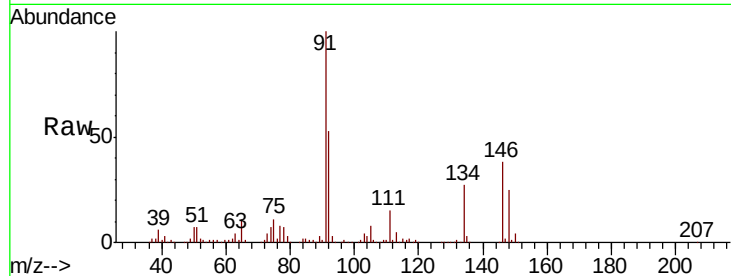
#89
n-Butylbenzene
Concen: 20.99 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025660.D
Acq: 27 Jul 2018 10:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.5	79.5
134	26.7	13.6	40.7

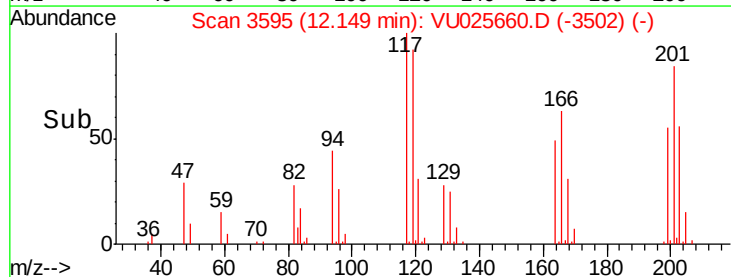
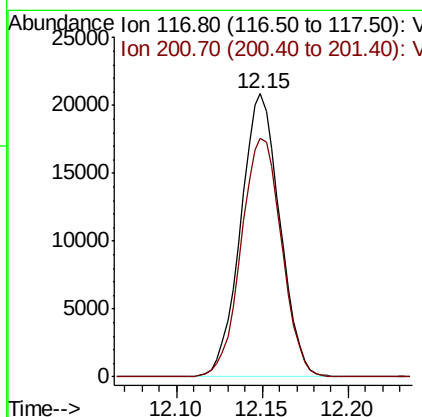
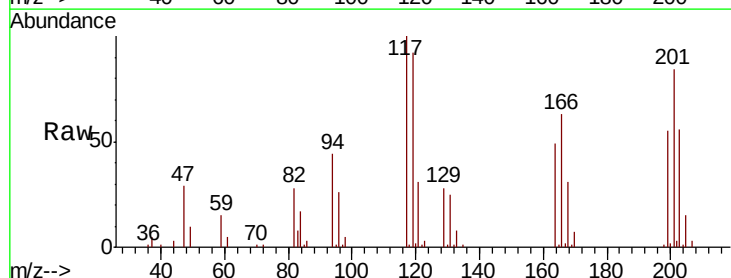
Manual Integrations
APPROVED

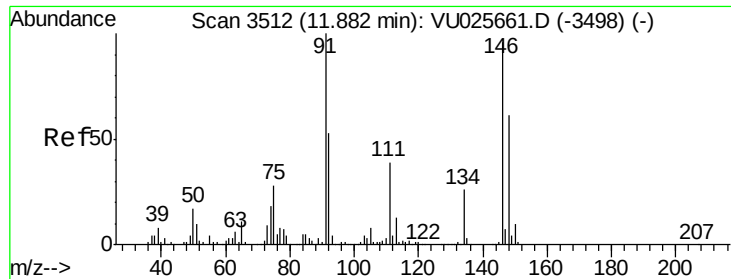
MMDadoda
7/31/2018 3:47:56 PM



#90
Hexachloroethane
Concen: 18.77 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025660.D
Acq: 27 Jul 2018 10:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.8	42.5	127.6





#91

1,2-Dichlorobenzene

Concen: 19.25 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Instrument :

MSVOA_U

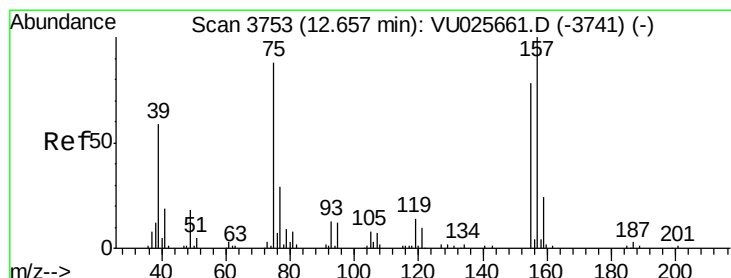
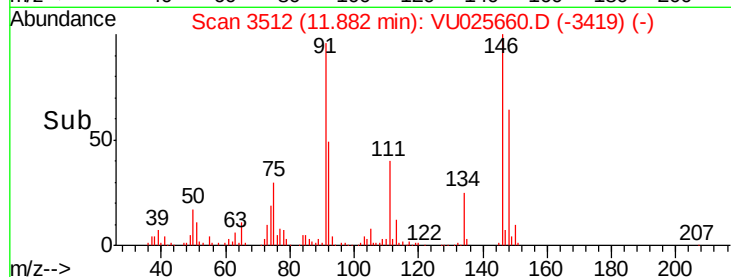
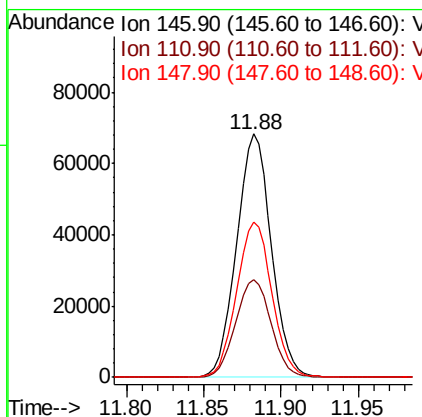
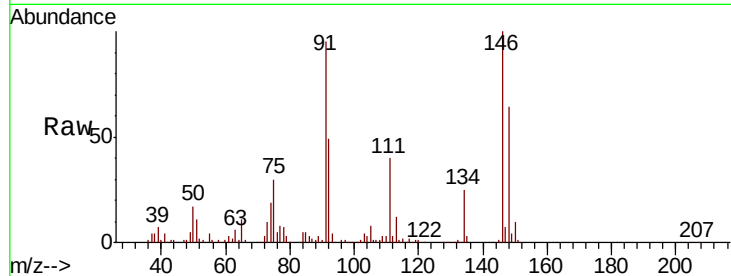
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	106608
Ion Ratio	Lower	Upper	
146	100		
111	41.1	20.6	61.8
148	64.7	31.5	94.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.36 ug/l

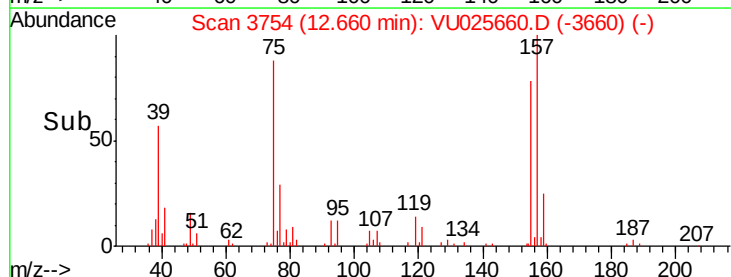
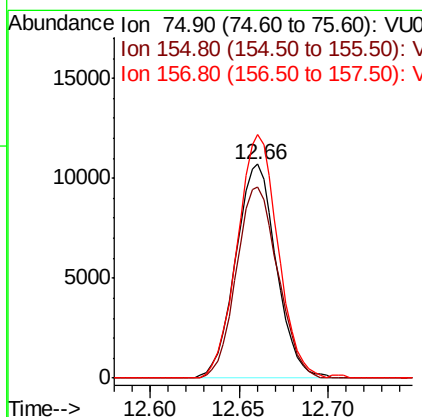
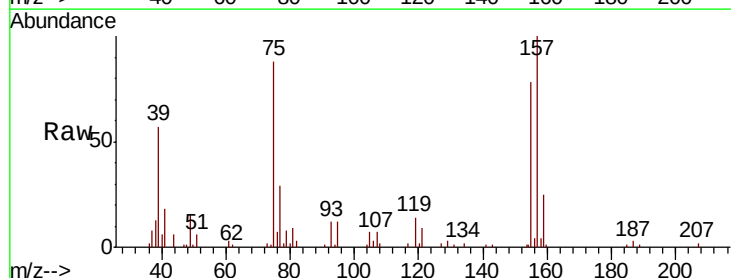
RT: 12.66 min Scan# 3754

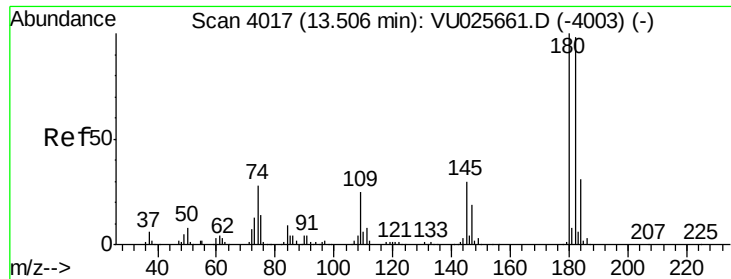
Delta R.T. 0.00 min

Lab File: VU025660.D

Acq: 27 Jul 2018 10:41

Tgt Ion:	75	Resp:	17092
Ion Ratio	Lower	Upper	
75	100		
155	91.0	44.5	133.3
157	113.6	57.0	170.8





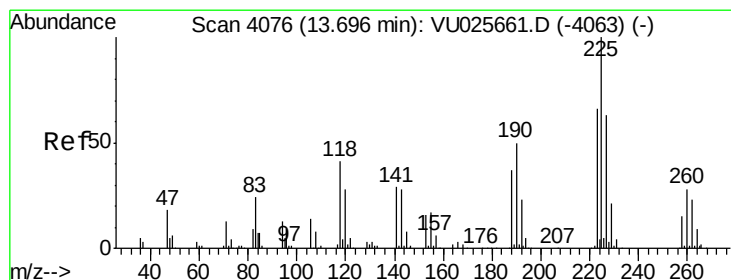
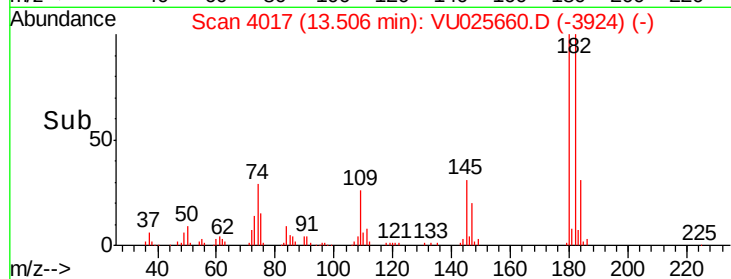
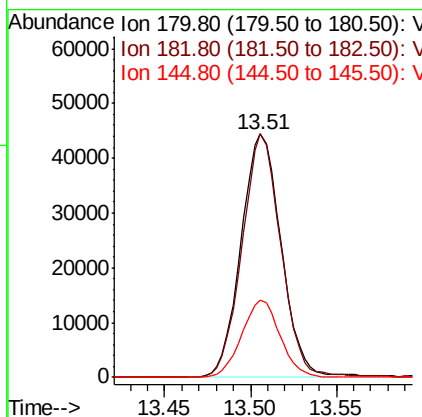
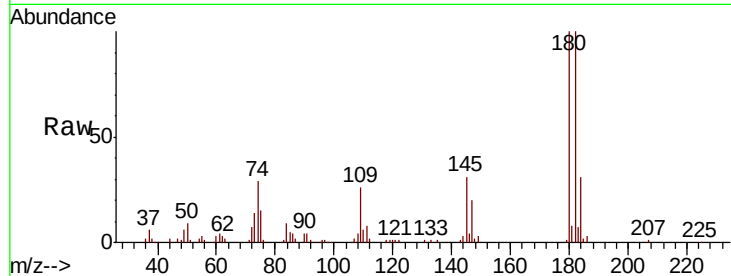
#93
 1,2,4-Trichlorobenzene
 Concen: 19.75 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025660.D
 Acq: 27 Jul 2018 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.3	141.9
145	30.5	14.9	44.7

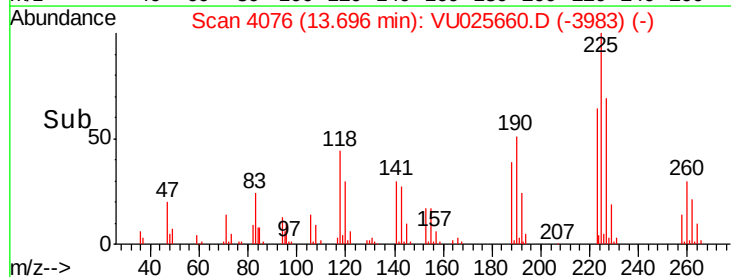
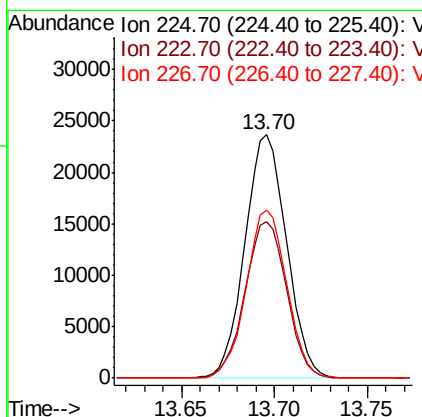
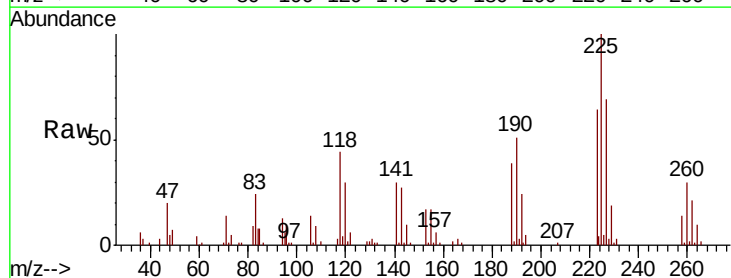
Manual Integrations
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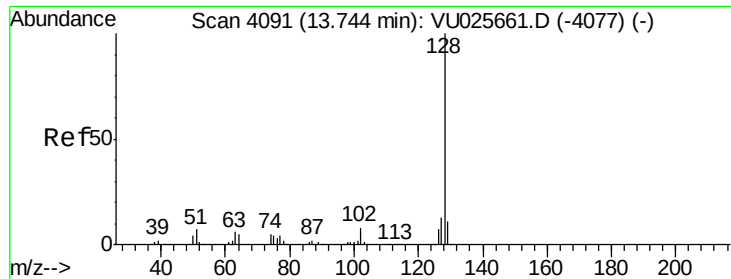
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#94
 Hexachlorobutadiene
 Concen: 18.65 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025660.D
 Acq: 27 Jul 2018 10:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.9	95.7
227	67.1	32.3	96.9





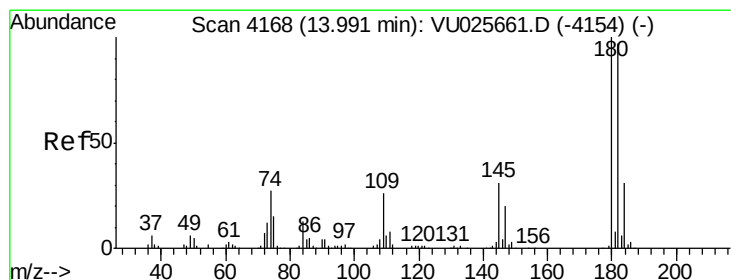
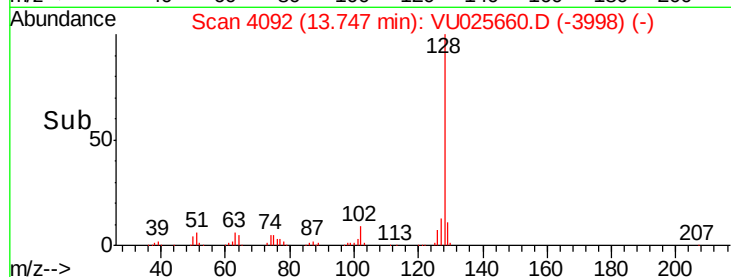
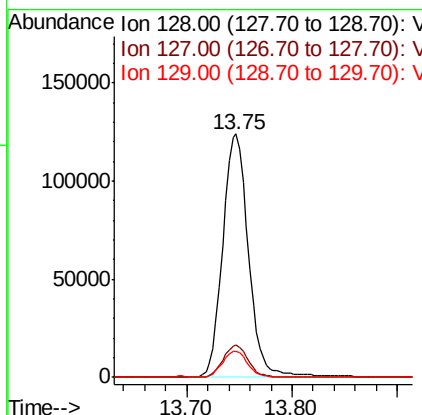
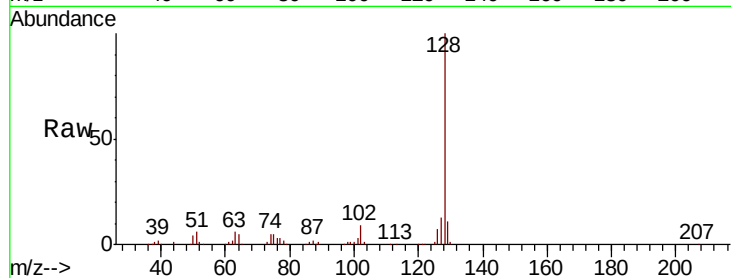
#95
Naphthalene
Concen: 16.80 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025660.D
Acq: 27 Jul 2018 10:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.3	8.3	12.5

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.97 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU025660.D
Acq: 27 Jul 2018 10:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.8	143.3
145	30.8	15.6	46.8

