

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U112718\
 Data File : VU028350.D
 Acq On : 27 Nov 2018 21:01
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 11/28/2018 5:25:20 PM

Quant Time: Nov 28 05:09:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	201952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	357919	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	341255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	169190	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	181622	60.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.98%	
35) Dibromofluoromethane	4.88	113	128841	57.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.18%	
50) Toluene-d8	7.56	98	493995	56.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.34%	
62) 4-Bromofluorobenzene	10.31	95	188399	58.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.18%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.21	85	109620	42.72	ug/l	100
3) Chloromethane	1.33	50	237018	76.37	ug/l	99
4) Vinyl Chloride	1.40	62	172295	55.93	ug/l	100
5) Bromomethane	1.60	94	62580	49.42	ug/l	94
6) Chloroethane	1.68	64	103567	58.34	ug/l	99
7) Trichlorofluoromethane	1.88	101	191585	53.82	ug/l	95
8) Diethyl Ether	2.10	74	91770	60.21	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	114462	54.13	ug/l	98
10) Methyl Iodide	2.41	142	108444	54.94	ug/l	99
11) Tert butyl alcohol	2.83	59	229466	288.68	ug/l	100
12) 1,1-Dichloroethene	2.28	96	112051	52.94	ug/l	97
13) Acrolein	2.19	56	44420	149.18	ug/l	100
14) Allyl chloride	2.59	41	283006	54.71	ug/l	99
15) Acrylonitrile	2.93	53	589127	301.73	ug/l	99
16) Acetone	2.32	43	527809	283.33	ug/l	100
17) Carbon Disulfide	2.48	76	369073	53.35	ug/l	100
18) Methyl Acetate	2.61	43	328345	64.07	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	481579	56.42	ug/l	100
20) Methylene Chloride	2.70	84	157203	57.80	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	129281	52.93	ug/l	94
22) Diisopropyl ether	3.57	45	612490	57.35	ug/l	97
23) Vinyl Acetate	3.52	43	2592737	282.48	ug/l	99
24) 1,1-Dichloroethane	3.44	63	303772	57.10	ug/l	99
25) 2-Butanone	4.26	43	872862	294.52	ug/l	99
26) 2,2-Dichloropropane	4.22	77	222444	55.72	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	153690	56.11	ug/l	95
28) Bromochloromethane	4.55	49	157774	63.27	ug/l	94
29) Tetrahydrofuran	4.64	42	557700	281.82	ug/l	99
30) Chloroform	4.67	83	274229	56.22	ug/l	99
31) Cyclohexane	4.99	56	281013	53.97	ug/l	99
32) 1,1,1-Trichloroethane	4.91	97	220079	56.68	ug/l	99
36) 1,1-Dichloropropene	5.13	75	205501	54.82	ug/l	97
37) Ethyl Acetate	4.38	43	305684	55.65	ug/l	100
38) Carbon Tetrachloride	5.13	117	170018	51.18	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	237547	52.54	ug/l	99
40) Benzene	5.39	78	621118	54.19	ug/l	100
41) Methacrylonitrile	4.54	41	175819	59.98	ug/l	100
42) 1,2-Dichloroethane	5.40	62	227326	55.80	ug/l	98
43) Isopropyl Acetate	5.55	43	480938	55.89	ug/l	100
44) Trichloroethene	6.19	130	132311	53.71	ug/l	97
45) 1,2-Dichloropropane	6.43	63	187231	56.65	ug/l	98
46) Dibromomethane	6.56	93	106488	56.05	ug/l	93
47) Bromodichloromethane	6.76	83	211681	57.82	ug/l	99
48) Methyl methacrylate	6.62	41	247348	58.66	ug/l	97
49) 1,4-Dioxane	6.61	88	90624	1317.23	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	1631773	283.94	ug/l	99
52) Toluene	7.64	92	363874	54.00	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	248501	54.63	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	265493	58.82	ug/l	100
55) 1,1,2-Trichloroethane	8.06	97	150127	54.77	ug/l	96
56) Ethyl methacrylate	8.02	69	265646	54.95	ug/l	98
57) 1,3-Dichloropropane	8.24	76	282471	56.57	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	726638	280.66	ug/l	98
59) 2-Hexanone	8.36	43	1261474	283.81	ug/l	100
60) Dibromochloromethane	8.48	129	144722	55.79	ug/l	100
61) 1,2-Dibromoethane	8.58	107	157880	54.20	ug/l	99
64) Tetrachloroethene	8.22	164	116023	52.43	ug/l	97
65) Chlorobenzene	9.12	112	376622	52.24	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	127425	51.74	ug/l	98
67) Ethyl Benzene	9.25	91	710497	53.54	ug/l	99
68) m/p-Xylenes	9.37	106	515582	107.07	ug/l	98
69) o-Xylene	9.78	106	250172	51.45	ug/l	95
70) Styrene	9.79	104	420989	54.19	ug/l	99
71) Bromoform	9.96	173	109449	53.03	ug/l #	98
73) Isopropylbenzene	10.16	105	672007	51.27	ug/l	100
74) N-amyl acetate	10.01	43	430579	54.33	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	282158	53.37	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	256775m	55.48	ug/l	
77) Bromobenzene	10.45	156	155131	51.62	ug/l	94
78) n-propylbenzene	10.58	91	836494	53.32	ug/l	98
79) 2-Chlorotoluene	10.66	91	489675	52.07	ug/l	97
80) 1,3,5-Trimethylbenzene	10.77	105	570465	52.54	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	85348m	46.07	ug/l	
82) 4-Chlorotoluene	10.77	91	569008	53.30	ug/l	98
83) tert-Butylbenzene	11.10	119	545269	50.23	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	581399	53.18	ug/l	99
85) sec-Butylbenzene	11.32	105	695715	52.70	ug/l	100
86) p-Isopropyltoluene	11.48	119	581765	52.72	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	287194	51.73	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	283479	49.82	ug/l	99
89) n-Butylbenzene	11.89	91	573206	54.65	ug/l	99
90) Hexachloroethane	12.14	117	86672	44.11	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	292507	52.39	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	63634	57.12	ug/l	92

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	193538	49.44	ug/l	98
94) Hexachlorobutadiene	13.69	225	89466	50.42	ug/l	98
95) Naphthalene	13.74	128	710814	51.22	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	198506	52.98	ug/l	100

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

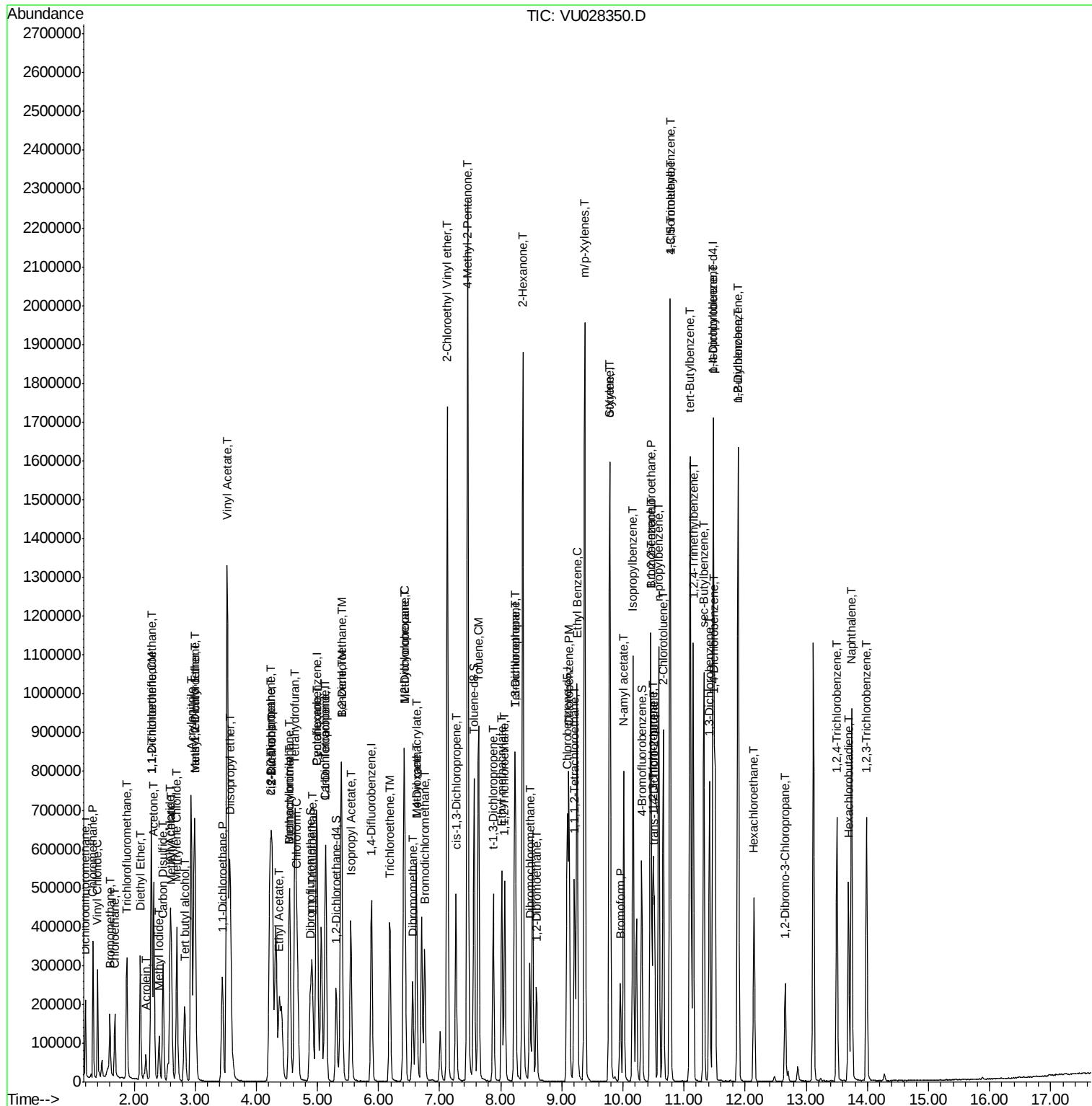
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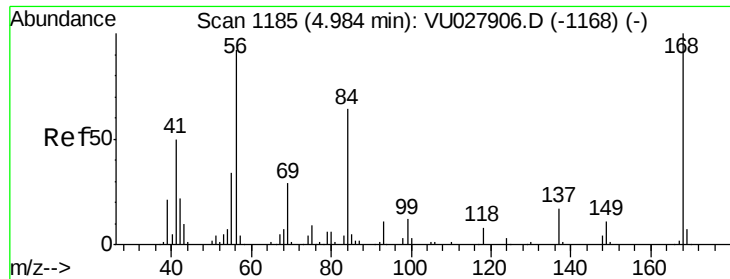
Instrument :
MSVOA_U
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Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 201952

Ion Ratio Lower Upper

168 100

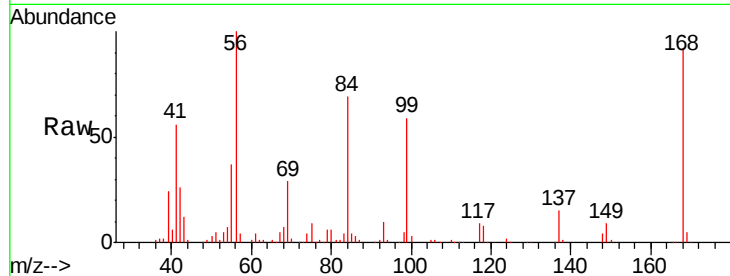
99 64.2 47.9 71.9

Manual Integrations

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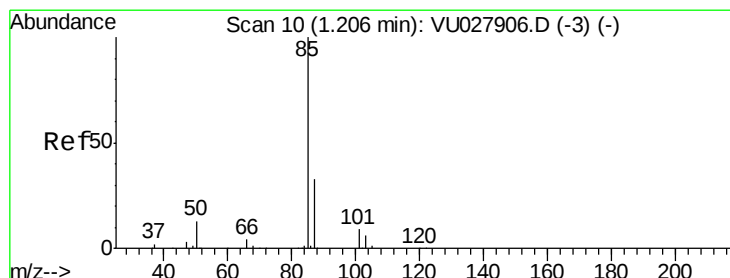
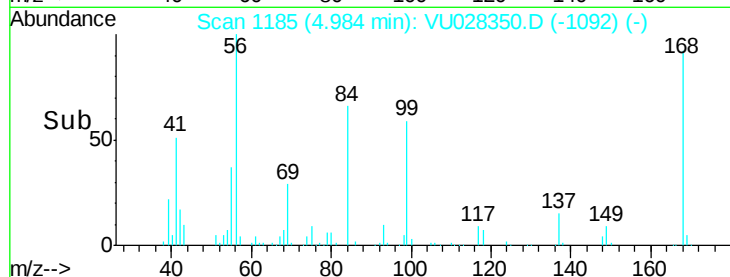
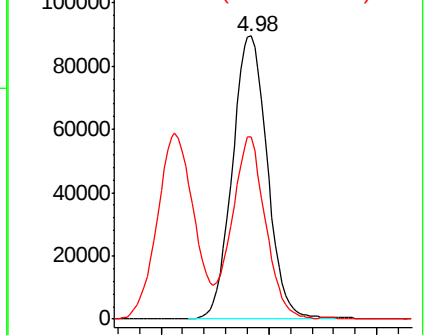
sam

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Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028350.D (-1092) (-)



#2

Dichlorodifluoromethane

Concen: 42.72 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028350.D

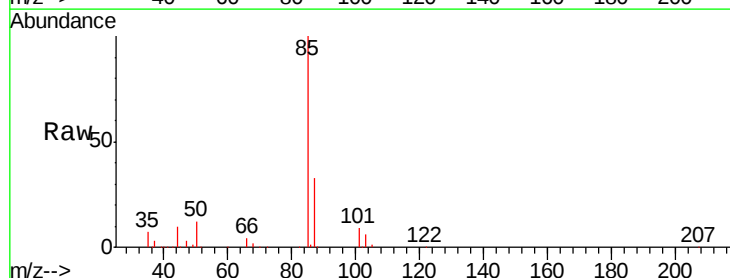
Acq: 27 Nov 2018 21:01

Tgt Ion: 85 Resp: 109620

Ion Ratio Lower Upper

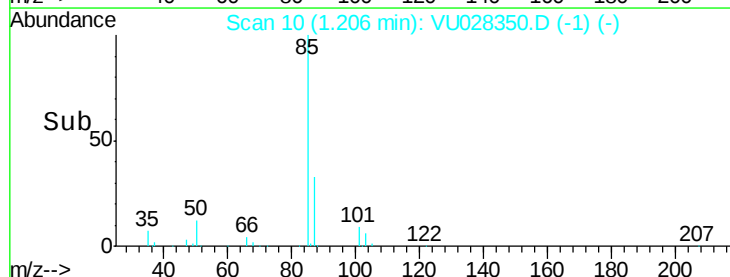
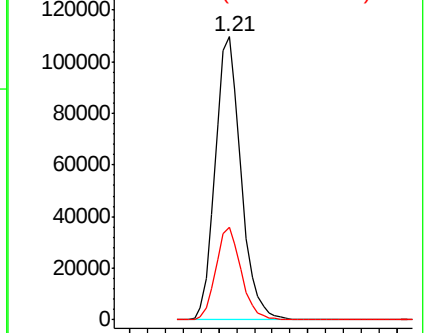
85 100

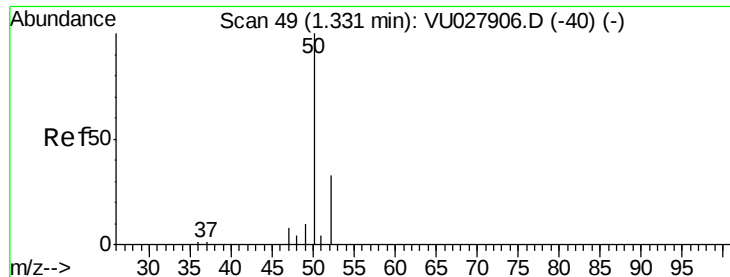
87 32.7 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028350.D (-1) (-)





#3

Chloromethane

Concen: 76.37 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 237018

Ion Ratio Lower Upper

50 100

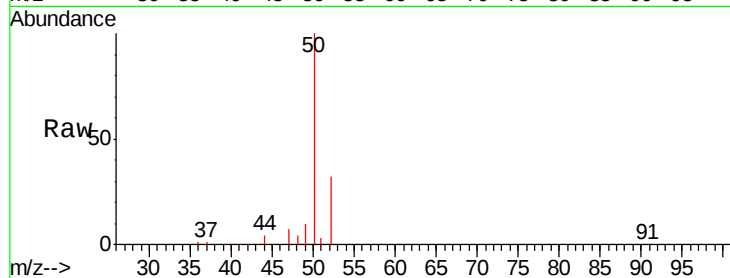
52 32.0 26.2 39.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.33

250000

200000

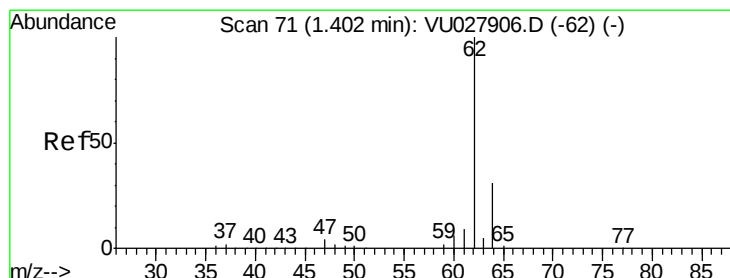
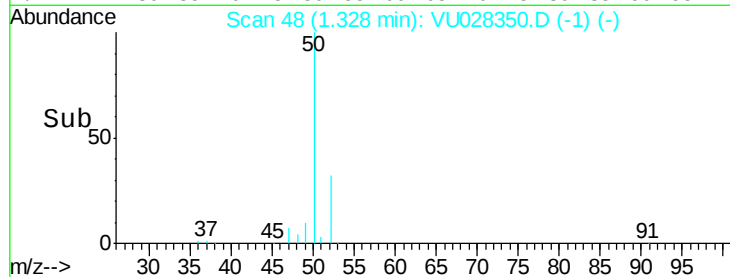
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 55.93 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028350.D

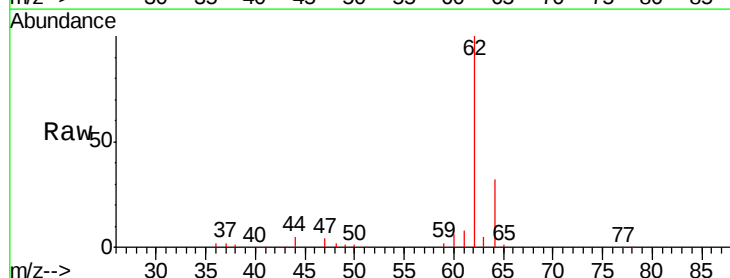
Acq: 27 Nov 2018 21:01

Tgt Ion: 62 Resp: 172295

Ion Ratio Lower Upper

62 100

64 31.6 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

200000

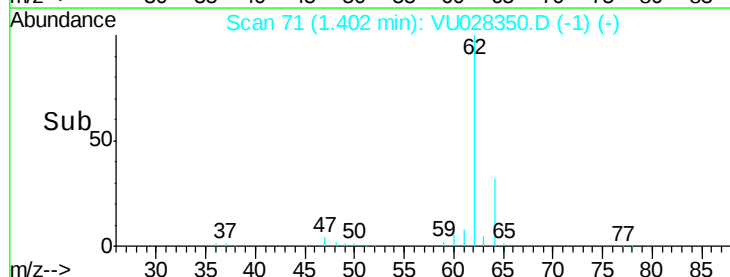
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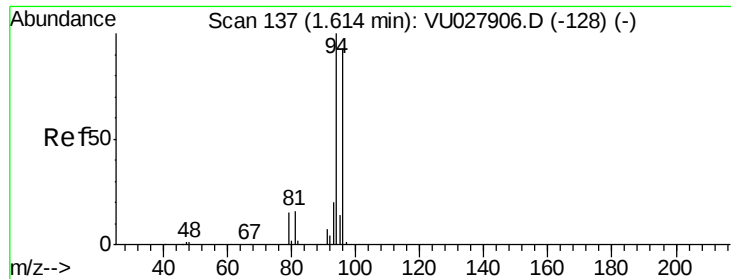
100000

50000

0

Time-->





#5

Bromomethane

Concen: 49.42 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.01 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 62580

Ion Ratio Lower Upper

94 100

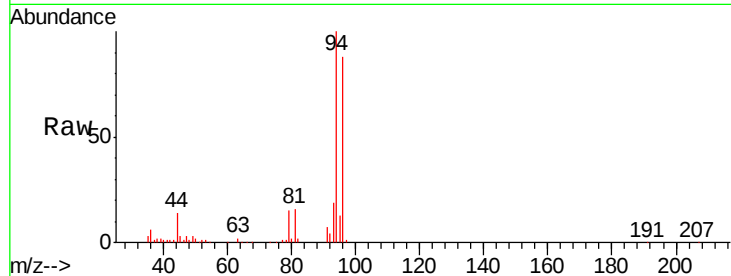
96 88.0 74.8 112.2

Manual Integrations

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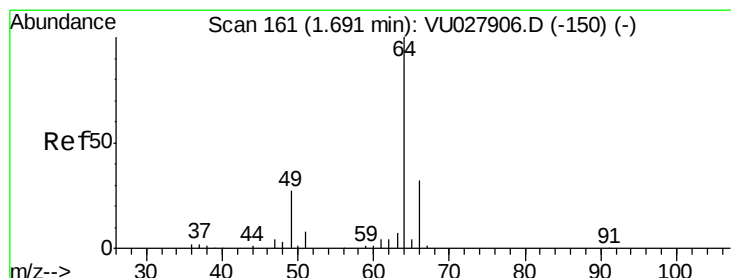
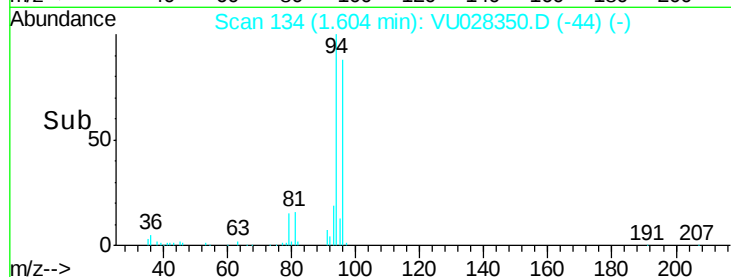
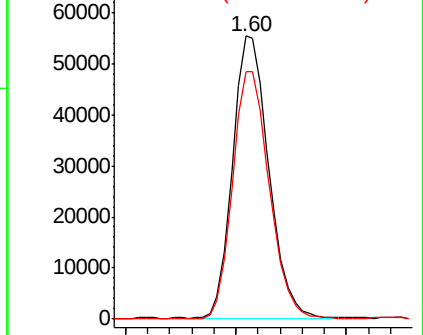
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11/28/2018 5:25:20 PM



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 58.34 ug/l

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU028350.D

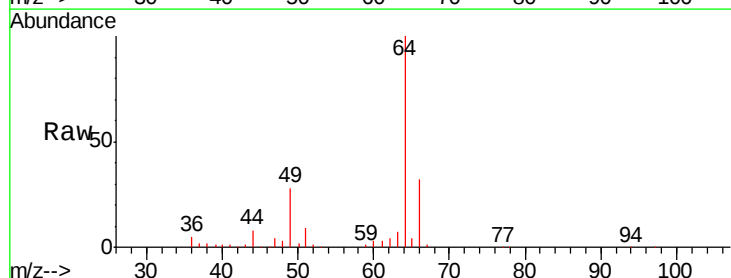
Acq: 27 Nov 2018 21:01

Tgt Ion: 64 Resp: 103567

Ion Ratio Lower Upper

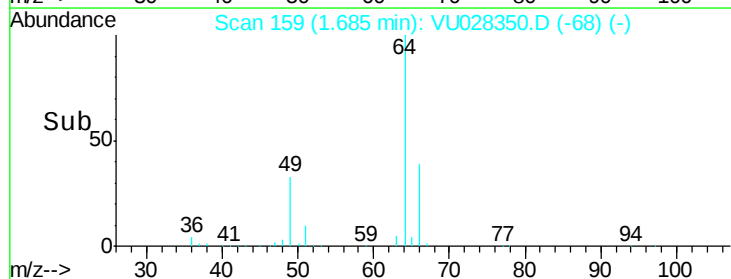
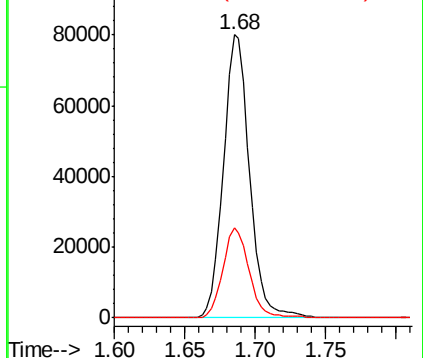
64 100

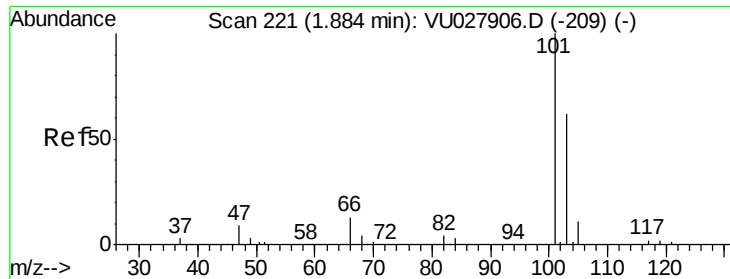
66 31.7 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

Trichlorofluoromethane

Concen: 53.82 ug/l

RT: 1.88 min Scan# 220

Delta R.T. -0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 101 Resp: 191585

Ion Ratio Lower Upper

101 100

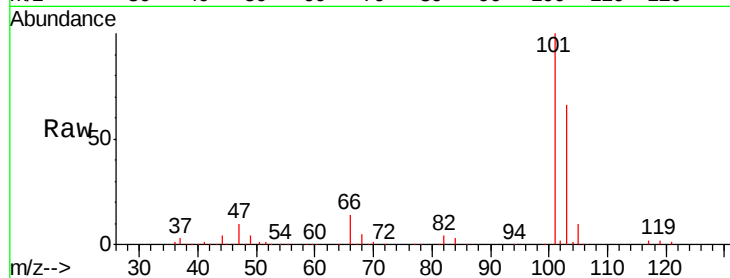
103 66.0 49.4 74.2

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

150000

100000

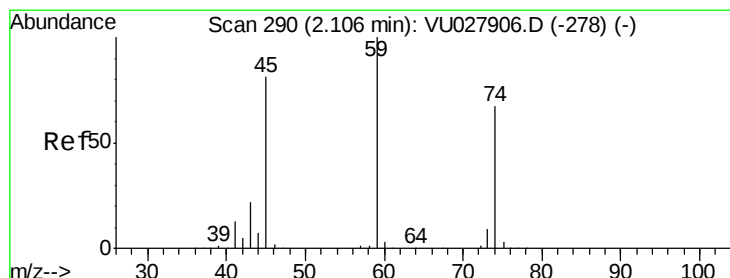
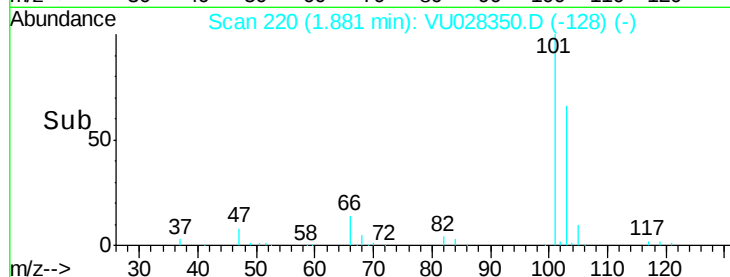
50000

0

1.88

1.85 1.90 1.95

Time-->



#8

Diethyl Ether

Concen: 60.21 ug/l

RT: 2.10 min Scan# 289

Delta R.T. -0.00 min

Lab File: VU028350.D

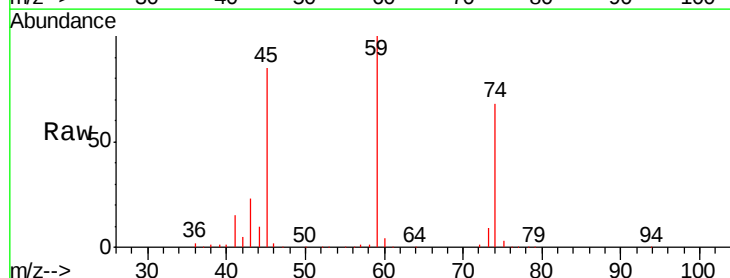
Acq: 27 Nov 2018 21:01

Tgt Ion: 74 Resp: 91770

Ion Ratio Lower Upper

74 100

45 123.2 60.5 181.5



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

80000

60000

40000

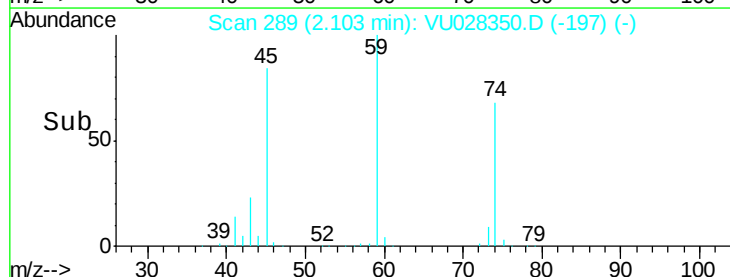
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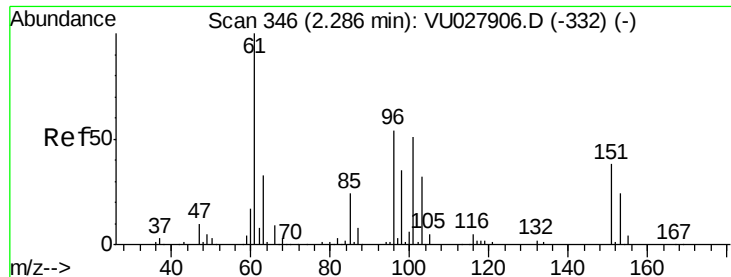
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2.10

2.05 2.15

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.13 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Instrument :

MSVOA_U

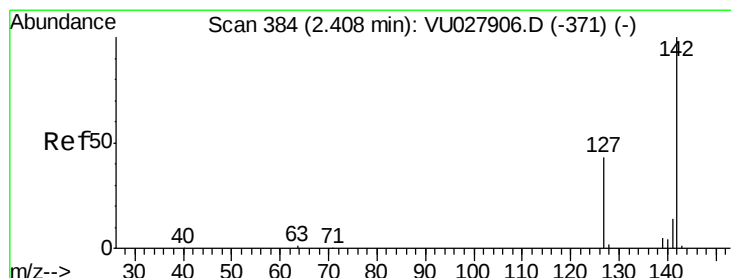
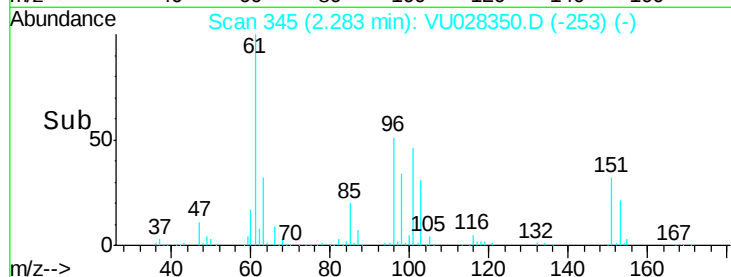
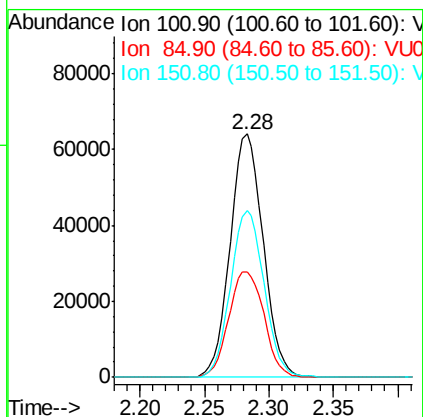
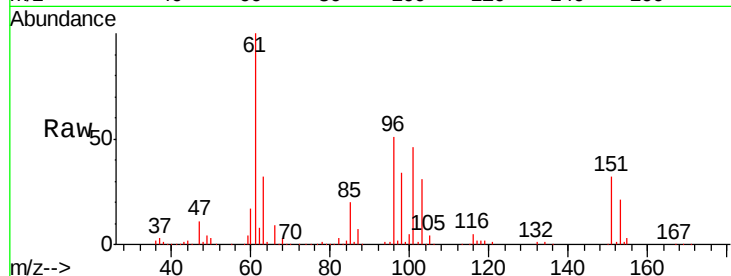
ClientSampleId :

VSTDCCC050EC

Tgt	Ion	101	Resp:	114462
Ion	Ratio	Lower	Upper	
101	100			
85	46.2	36.9	55.3	
151	69.4	58.0	87.0	

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#10

Methyl Iodide

Concen: 54.94 ug/l

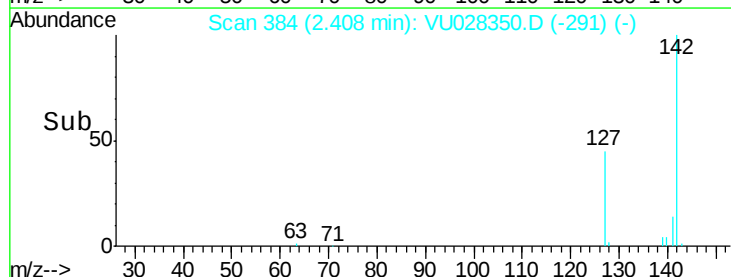
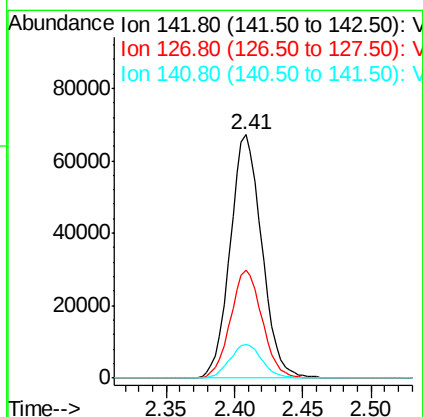
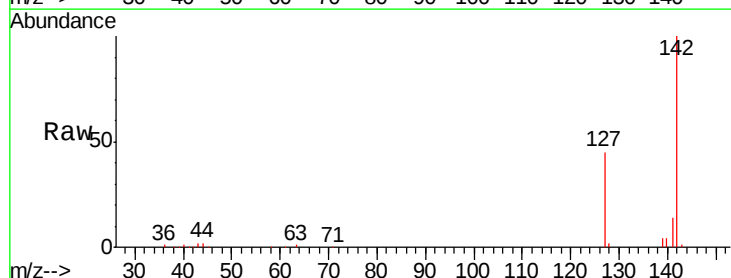
RT: 2.41 min Scan# 384

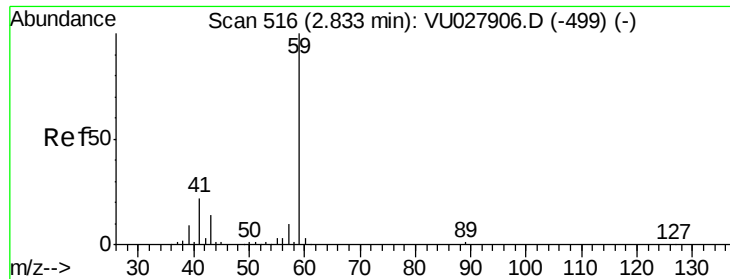
Delta R.T. 0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Tgt	Ion	142	Resp:	108444
Ion	Ratio	Lower	Upper	
142	100			
127	44.3	35.2	52.8	
141	14.1	11.8	17.8	





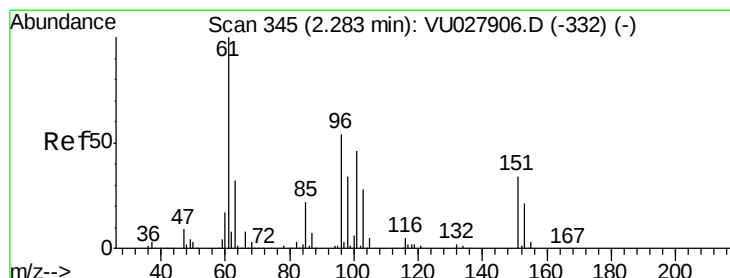
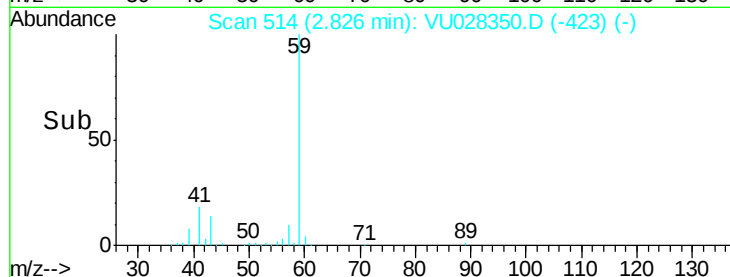
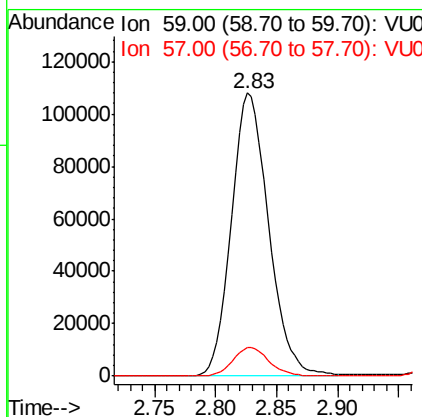
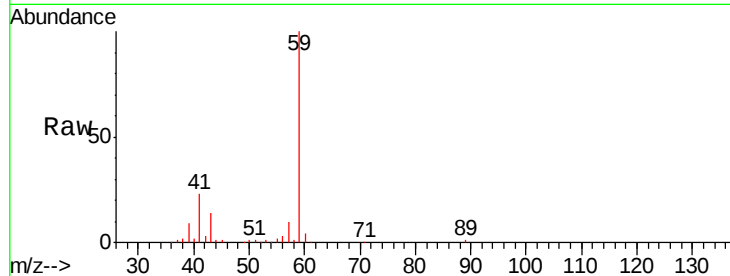
#11
Tert butyl alcohol
Concen: 288.68 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.01 min
Lab File: VU028350.D
Acq: 27 Nov 2018 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.8

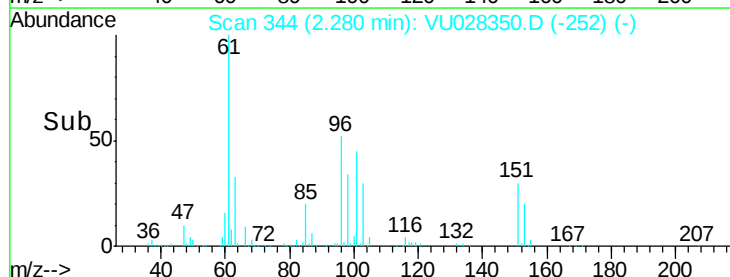
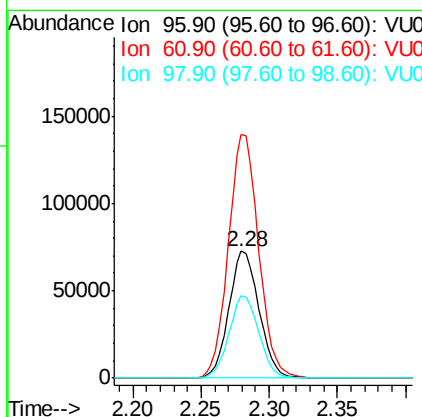
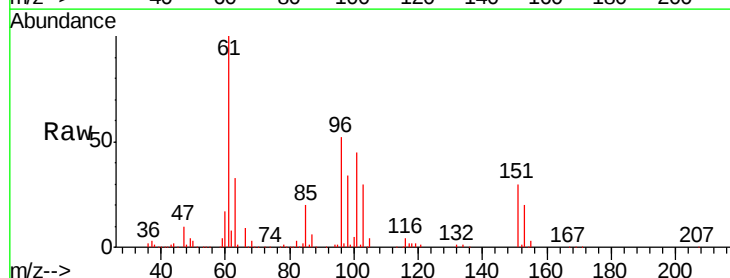
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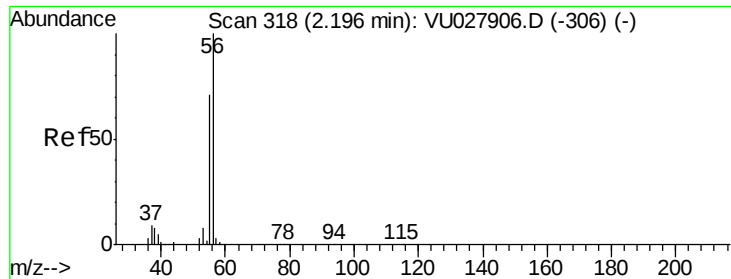
sam
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#12
1,1-Dichloroethene
Concen: 52.94 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.00 min
Lab File: VU028350.D
Acq: 27 Nov 2018 21:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	191.8	149.3	223.9
98	65.1	50.6	75.8





#13

Acrolein

Concen: 149.18 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 44420

Ion Ratio Lower Upper

56 100

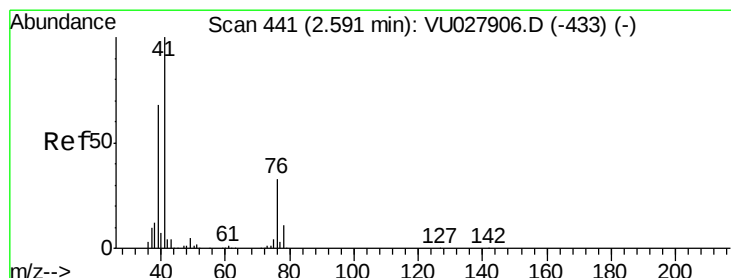
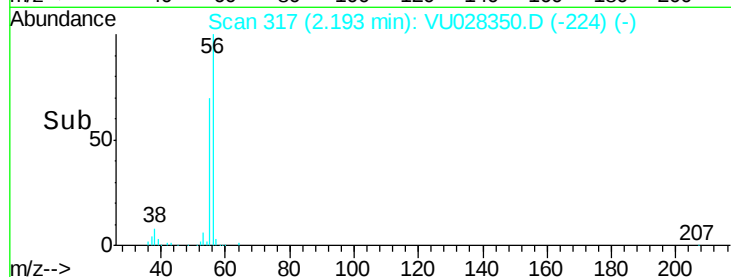
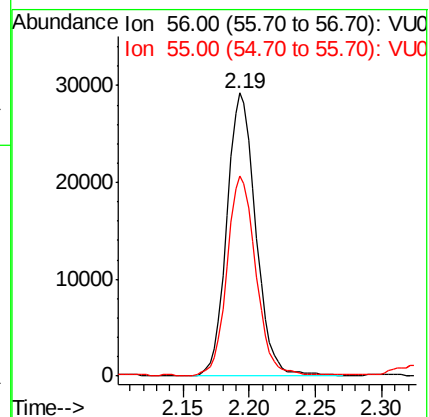
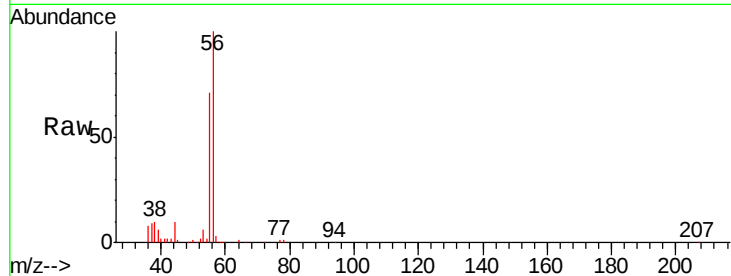
55 70.5 56.2 84.4

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#14

Allyl chloride

Concen: 54.71 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

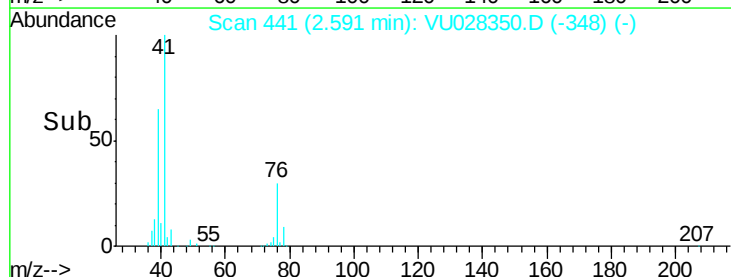
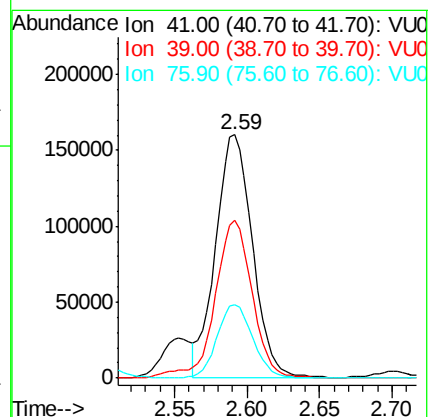
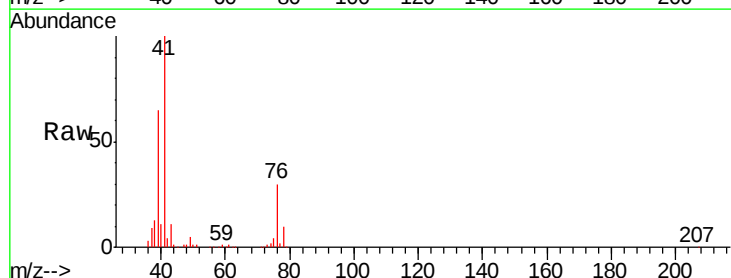
Tgt Ion: 41 Resp: 283006

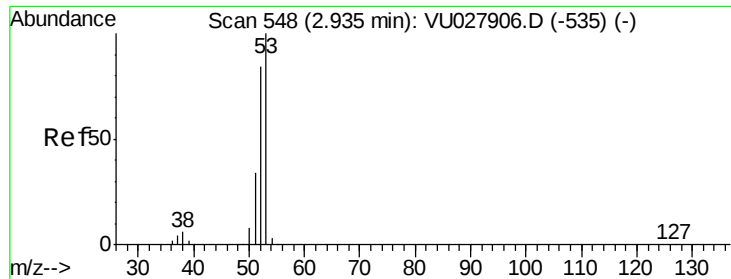
Ion Ratio Lower Upper

41 100

39 65.3 51.9 77.9

76 29.4 23.8 35.6





#15

Acrylonitrile

Concen: 301.73 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Instrument :

MSVOA_U

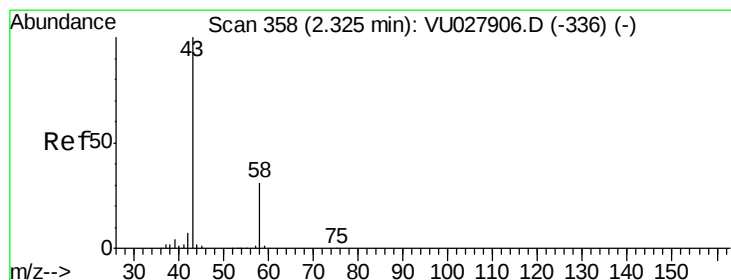
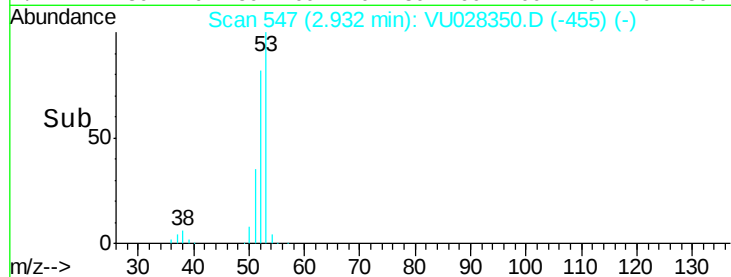
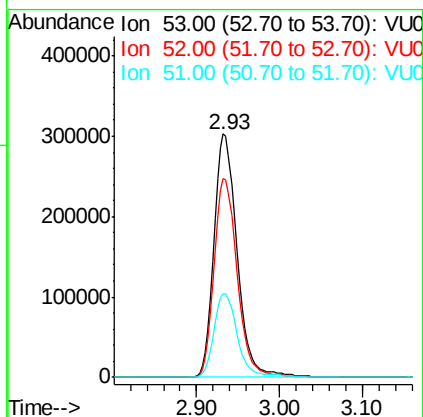
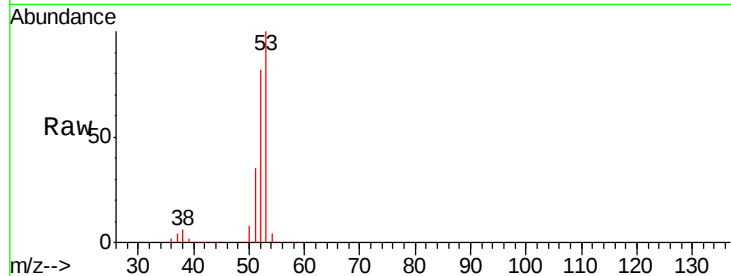
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	589127
Ion Ratio	Lower	Upper	
53	100		
52	81.6	66.2	99.2
51	34.0	27.0	40.4

Manual Integrations
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#16

Acetone

Concen: 283.33 ug/l

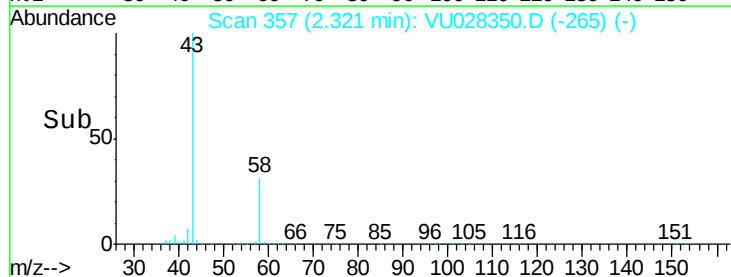
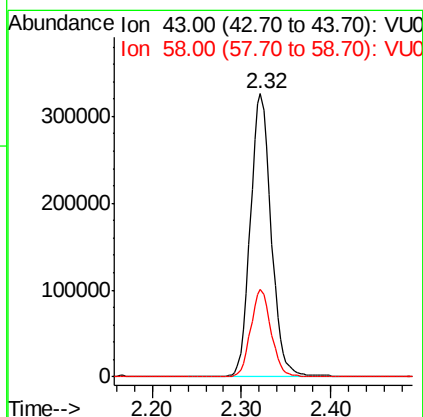
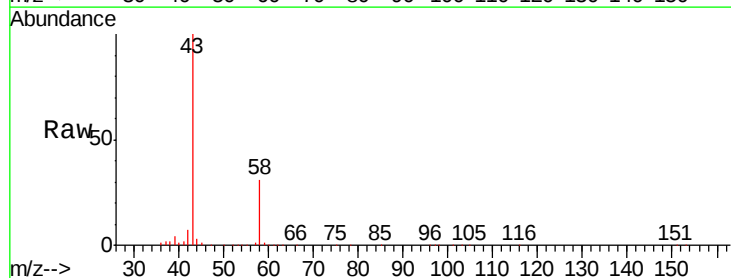
RT: 2.32 min Scan# 357

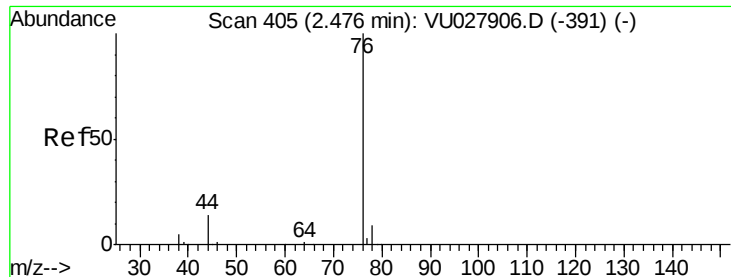
Delta R.T. -0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Tgt Ion:	43	Resp:	527809
Ion Ratio	Lower	Upper	
43	100		
58	30.7	24.6	37.0





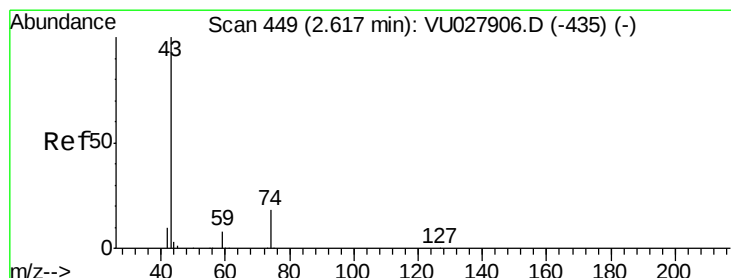
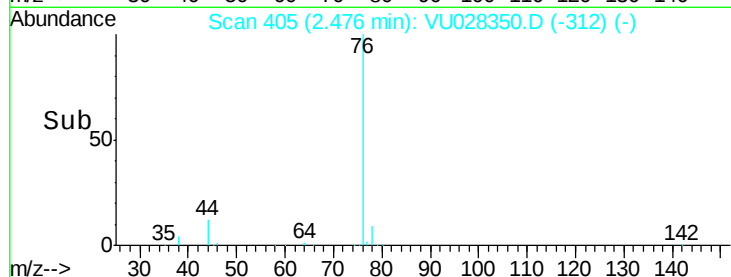
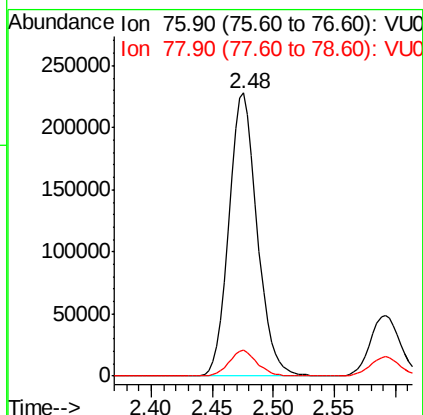
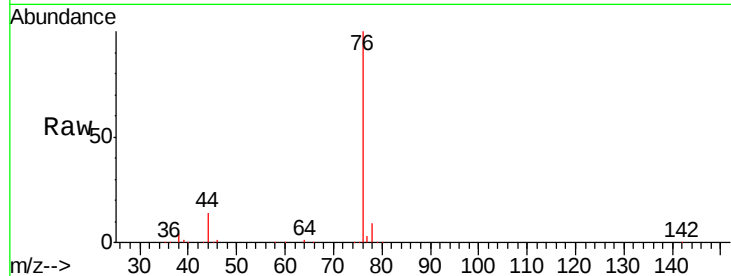
#17
Carbon Disulfide
Concen: 53.35 ug/l
RT: 2.48 min Scan# 405
Delta R.T. 0.00 min
Lab File: VU028350.D
Acq: 27 Nov 2018 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

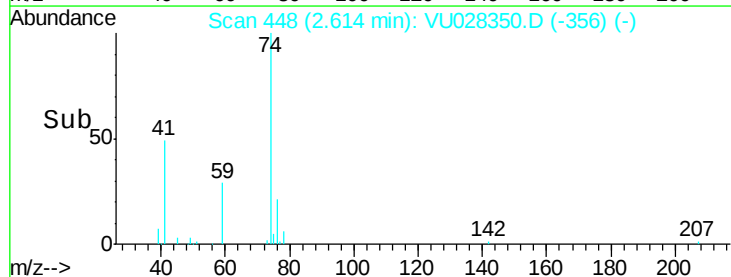
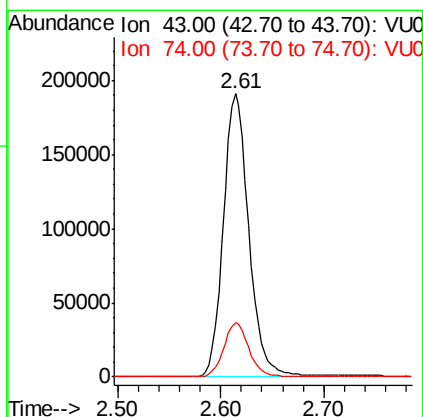
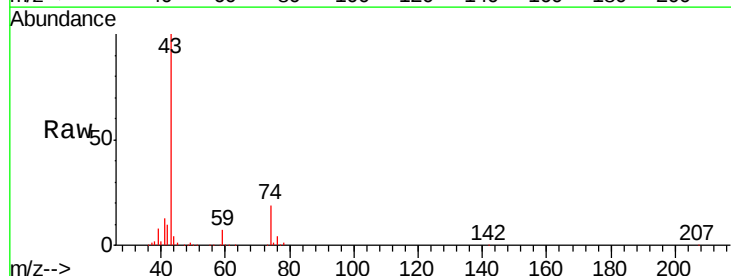
Manual Integrations
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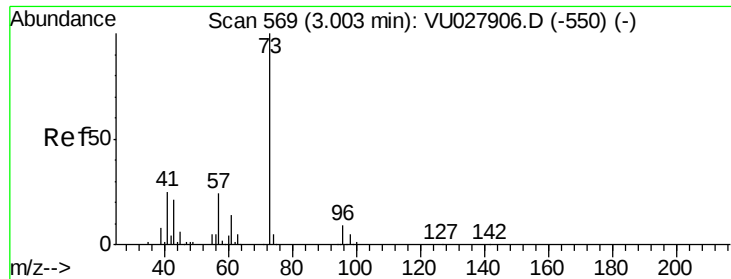
sam
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#18
Methyl Acetate
Concen: 64.07 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028350.D
Acq: 27 Nov 2018 21:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.0	14.9	22.3





#19

Methyl tert-butyl Ether

Concen: 56.42 ug/l

RT: 3.00 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 73 Resp: 481579

Ion Ratio Lower Upper

73 100

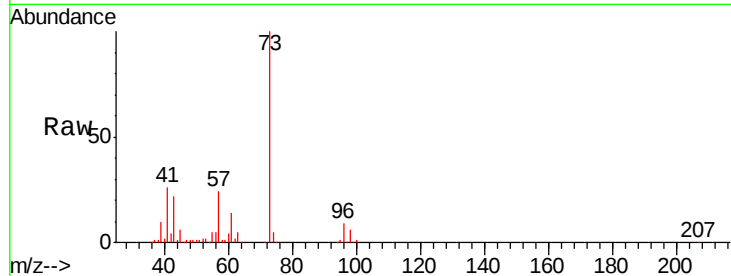
57 24.2 19.3 28.9

Manual Integrations

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Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

3.00

250000

200000

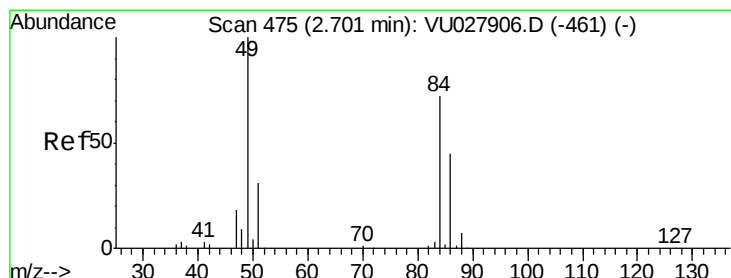
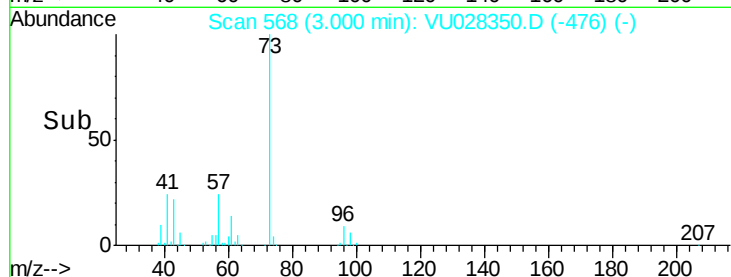
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 57.80 ug/l

RT: 2.70 min Scan# 475

Delta R.T. 0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Tgt Ion: 84 Resp: 157203

Ion Ratio Lower Upper

84 100

49 144.5 111.6 167.4

51 43.3 34.8 52.2

86 63.7 50.1 75.1

Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0

200000

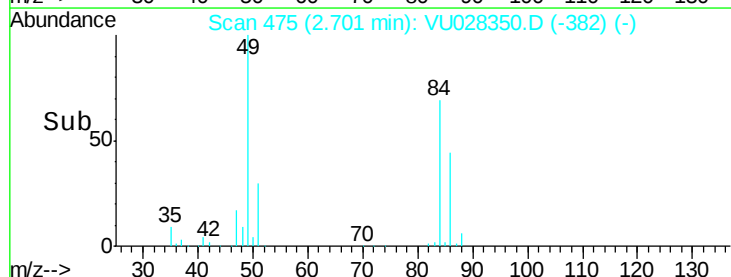
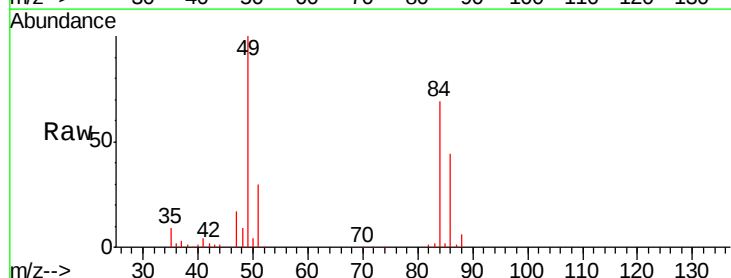
150000

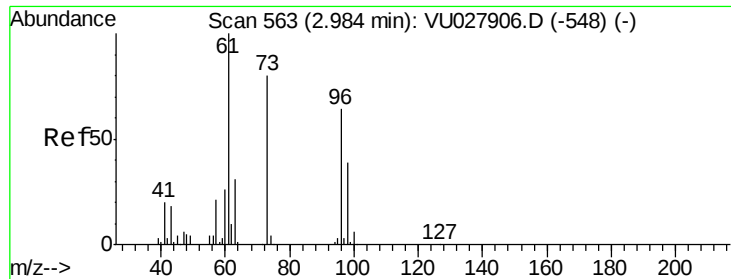
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 52.93 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Instrument :

MSVOA_U

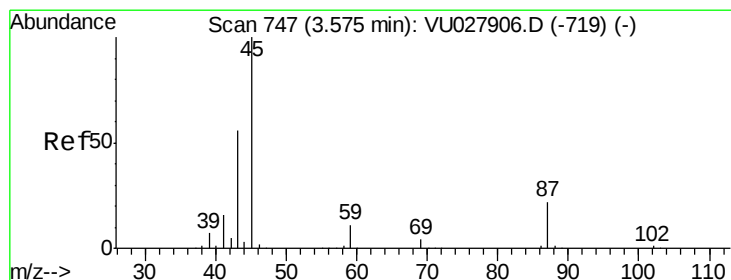
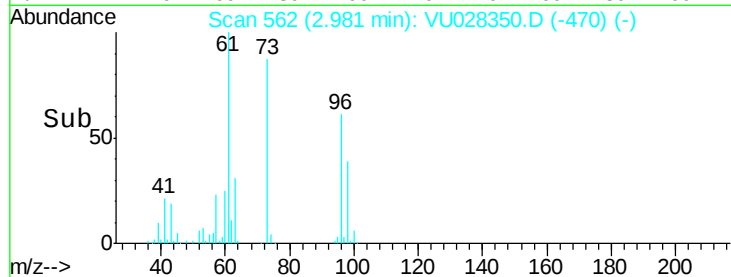
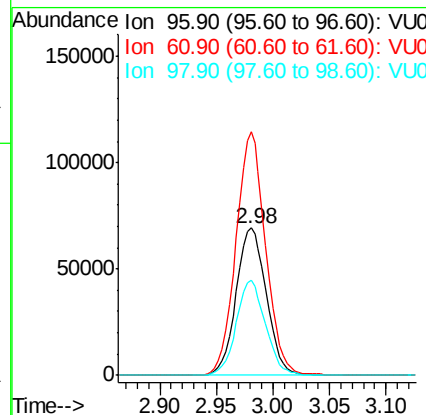
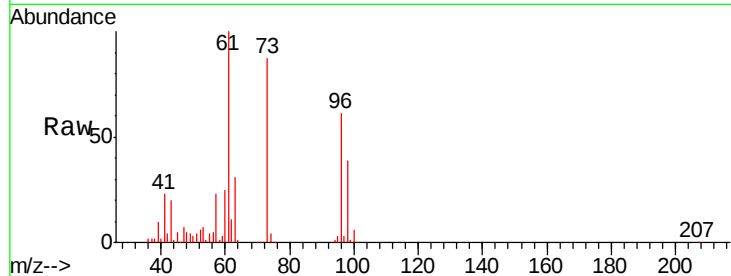
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	129281
Ion	Ratio	Lower	Upper
96	100		
61	165.1	125.0	187.6
98	64.3	48.2	72.4

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#22

Diisopropyl ether

Concen: 57.35 ug/l

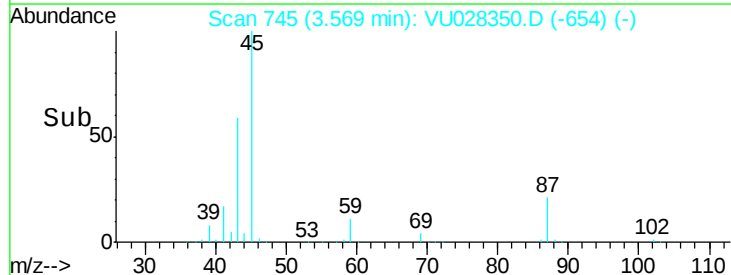
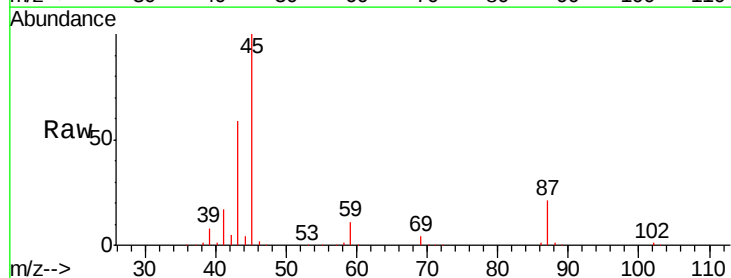
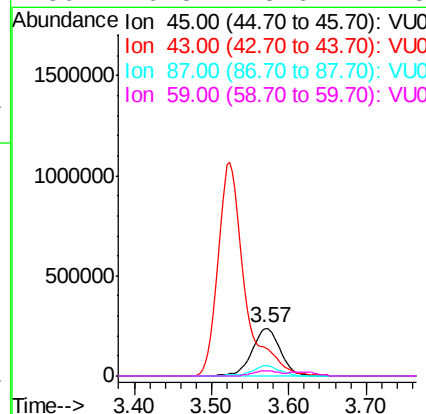
RT: 3.57 min Scan# 745

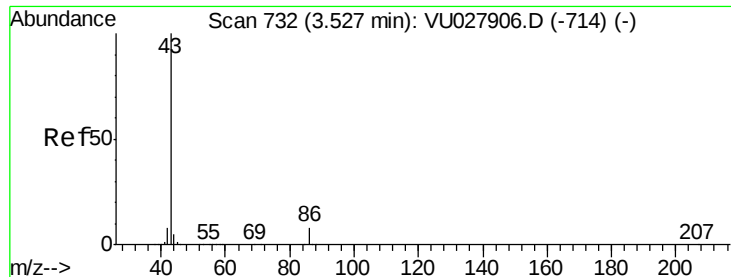
Delta R.T. -0.01 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Tgt Ion:	45	Resp:	612490
Ion	Ratio	Lower	Upper
45	100		
43	58.4	45.0	67.6
87	21.0	17.9	26.9
59	10.8	8.6	12.8





#23

Vinyl Acetate

Concen: 282.48 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 2592737

Ion Ratio Lower Upper

43 100

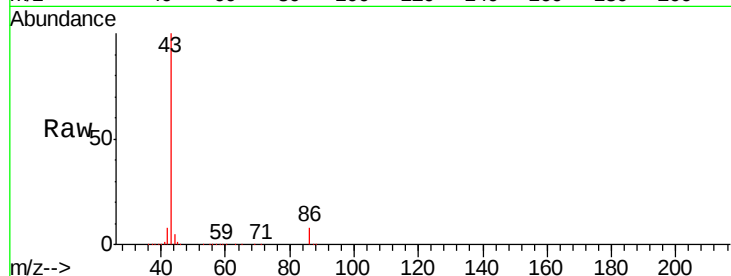
86 7.9 6.6 9.8

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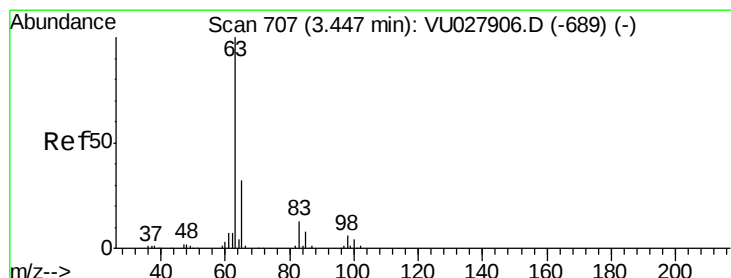
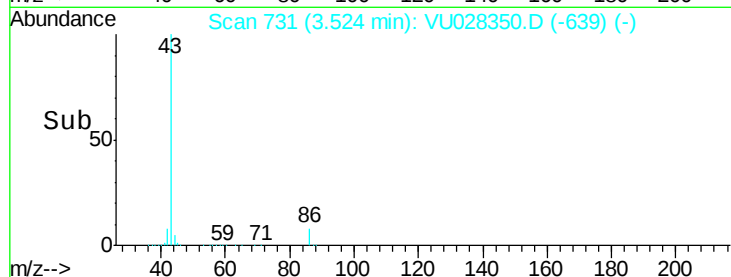
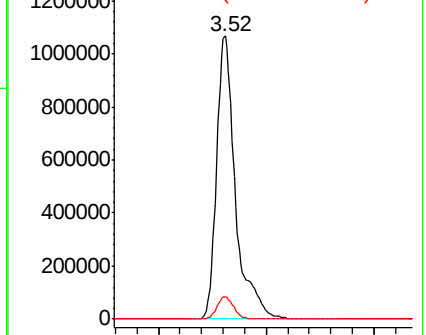
sam

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 57.10 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

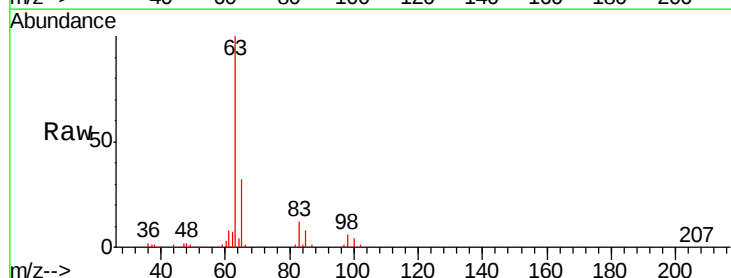
Tgt Ion: 63 Resp: 303772

Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.6

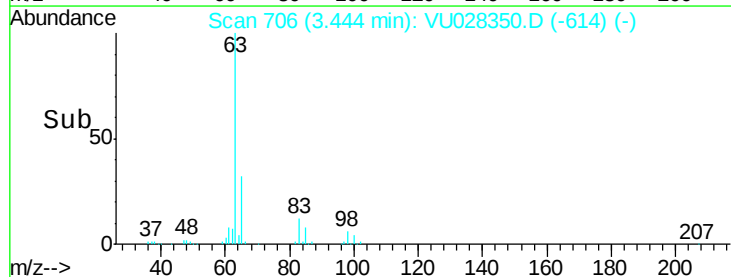
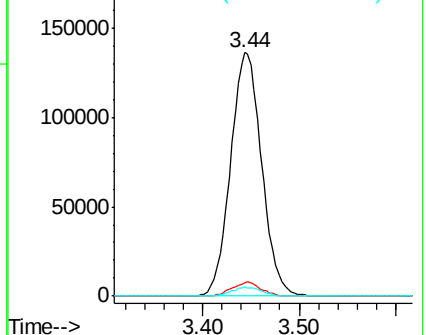
100 3.7 2.0 6.0

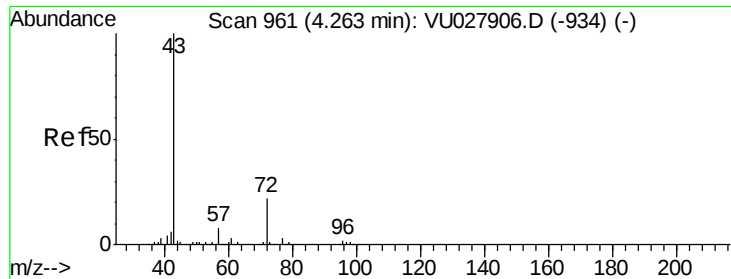


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 294.52 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 872862

Ion Ratio Lower Upper

43 100

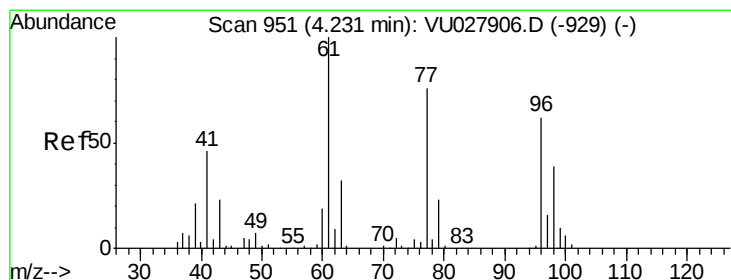
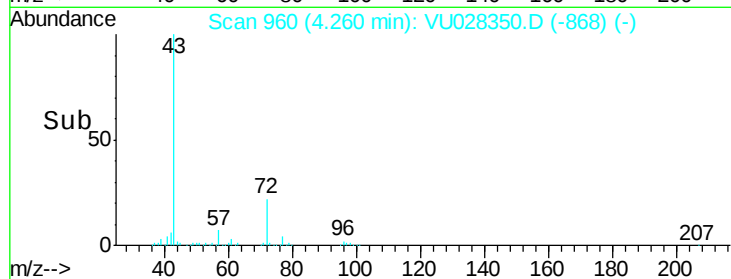
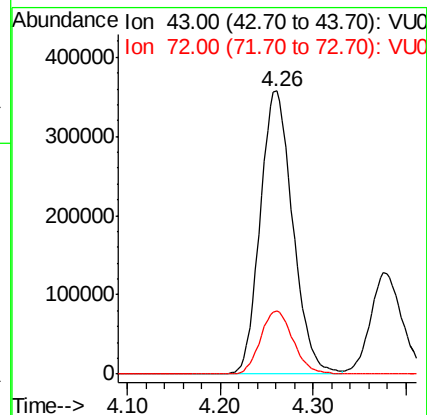
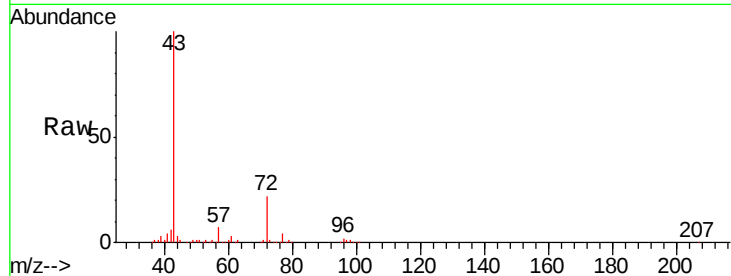
72 22.3 17.7 26.5

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#26

2,2-Dichloropropane

Concen: 55.72 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.01 min

Lab File: VU028350.D

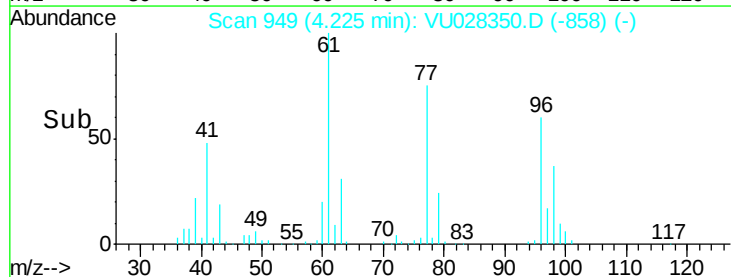
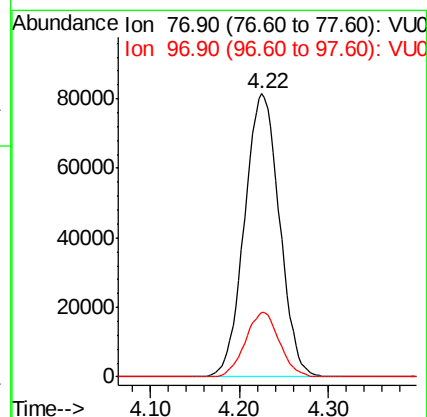
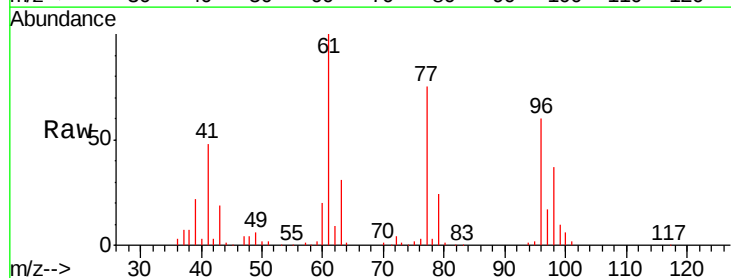
Acq: 27 Nov 2018 21:01

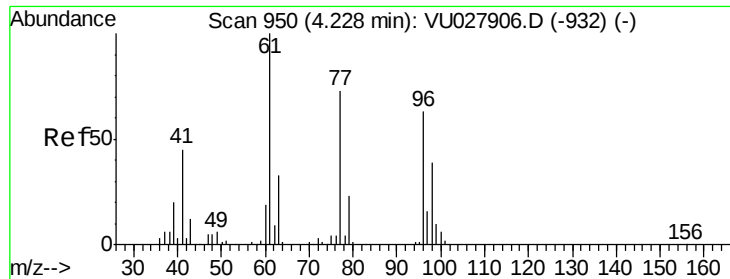
Tgt Ion: 77 Resp: 222444

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 56.11 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Instrument :

MSVOA_U

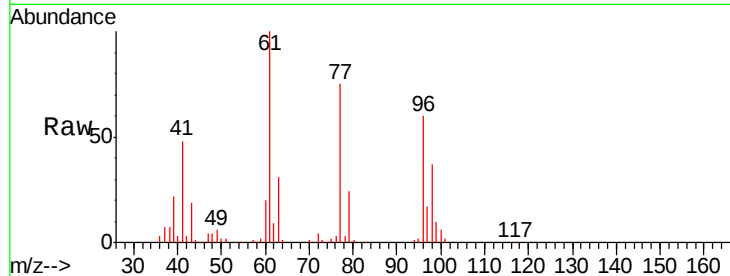
ClientSampleId :

VSTDCCC050EC

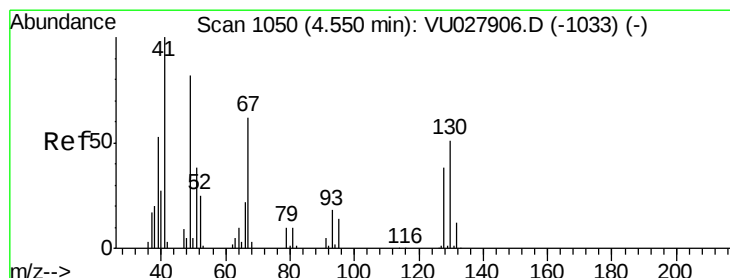
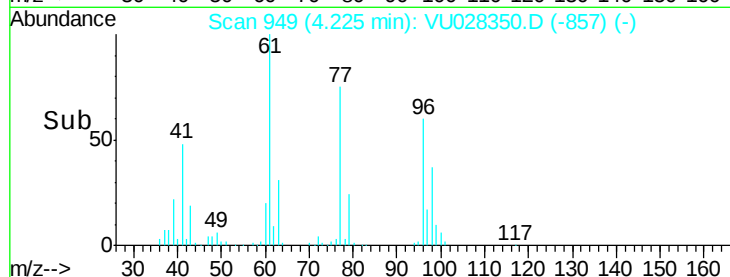
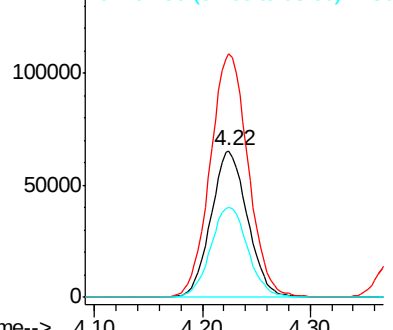
Tgt Ion:	96	Resp:	153690
Ion Ratio	Lower	Upper	
96	100		
61	173.0	0.0	329.6
98	63.0	0.0	127.2

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Abundance Ion 95.90 (95.60 to 96.60): VU028350.D (-857) (-)



#28

Bromochloromethane

Concen: 63.27 ug/l

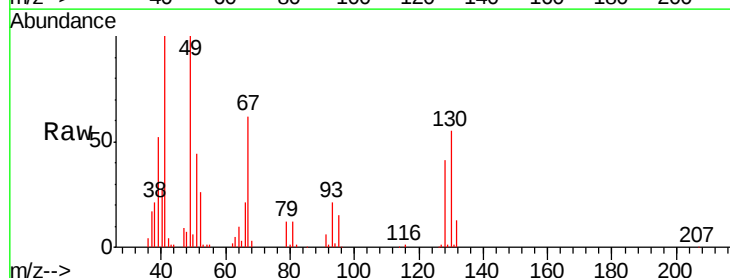
RT: 4.55 min Scan# 1049

Delta R.T. -0.00 min

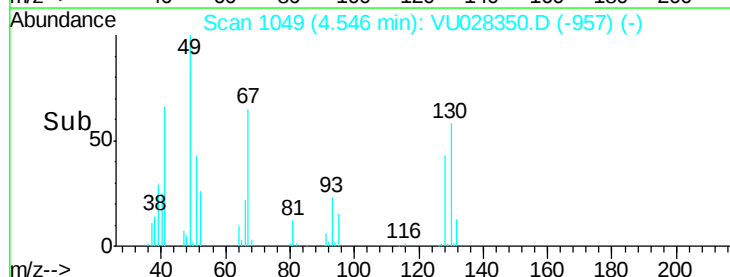
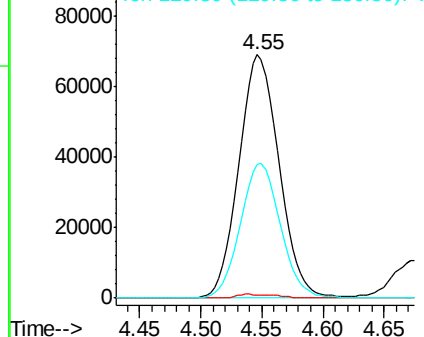
Lab File: VU028350.D

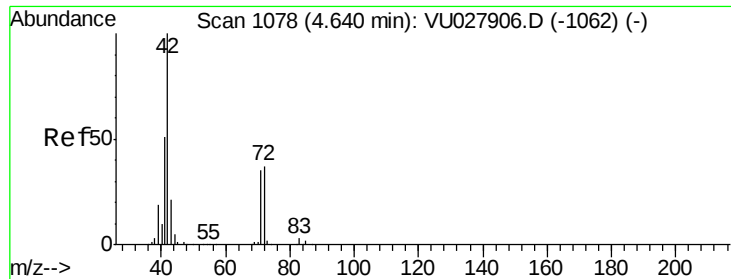
Acq: 27 Nov 2018 21:01

Tgt Ion:	49	Resp:	157774
Ion Ratio	Lower	Upper	
49	100		
129	1.6	0.0	3.0
130	55.0	47.8	71.6



Abundance Ion 48.90 (48.60 to 49.60): VU028350.D (-957) (-)





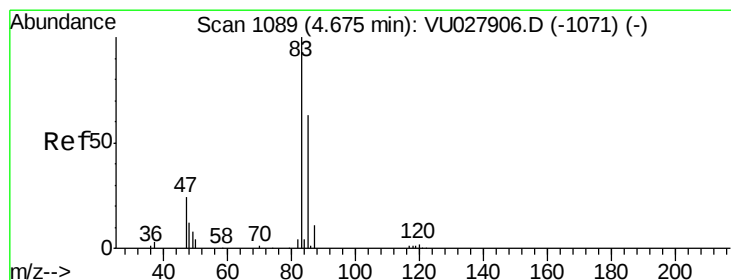
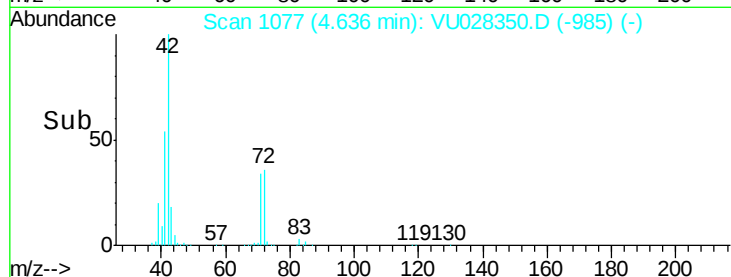
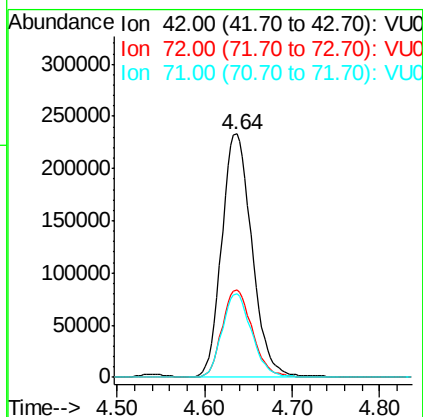
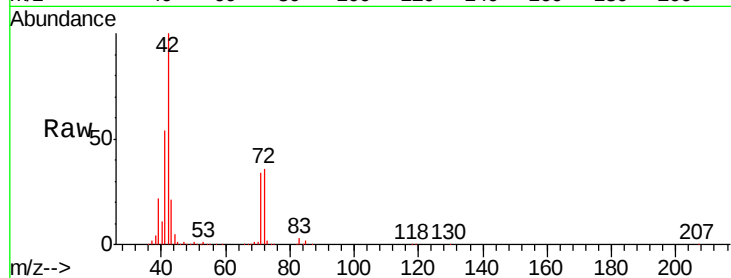
#29
Tetrahydrofuran
Concen: 281.82 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028350.D
Acq: 27 Nov 2018 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	36.3	29.4	44.0
71	34.0	27.9	41.9

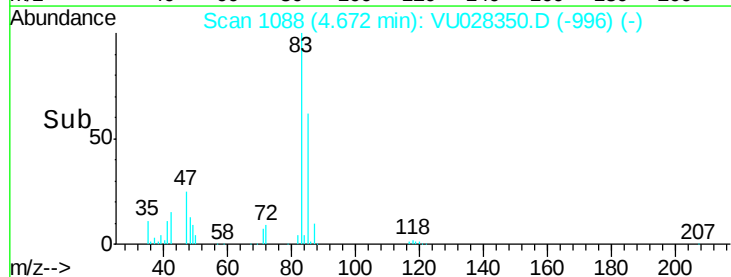
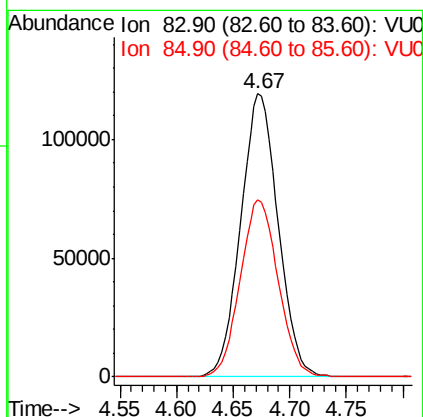
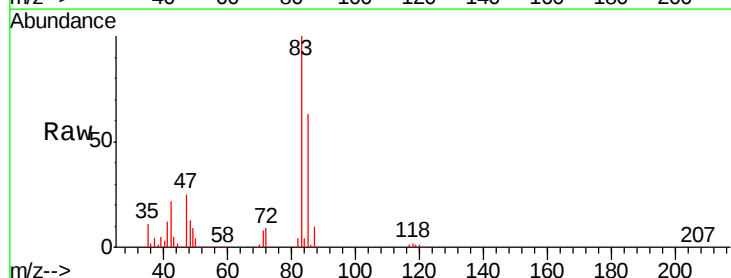
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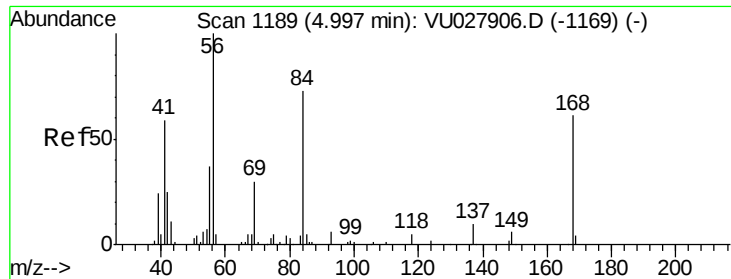
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#30
Chloroform
Concen: 56.22 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028350.D
Acq: 27 Nov 2018 21:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.6	76.0





#31

Cyclohexane

Concen: 53.97 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Instrument :

MSVOA_U

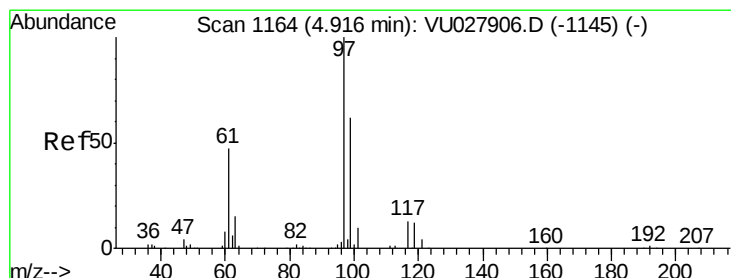
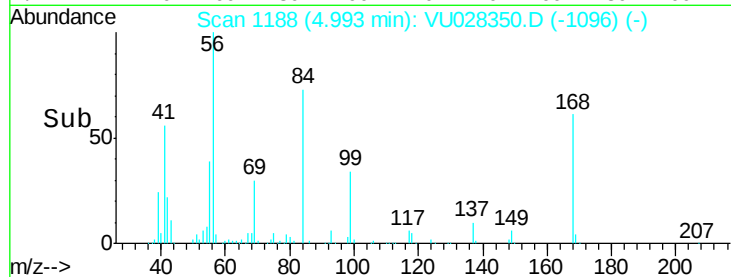
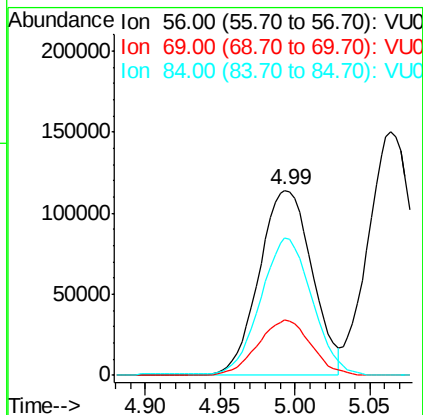
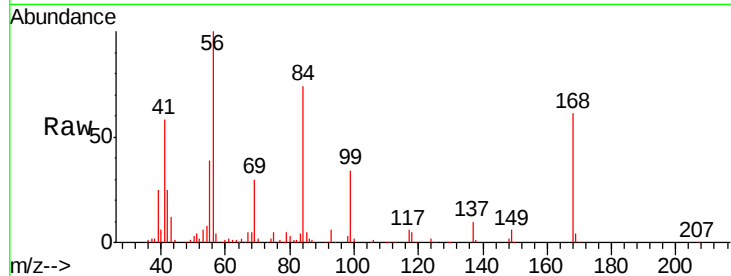
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	56	Resp:	281013
Ion Ratio	Lower	Upper	
56	100		
69	29.7	23.7	35.5
84	73.5	58.2	87.4

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#32

1,1,1-Trichloroethane

Concen: 56.68 ug/l

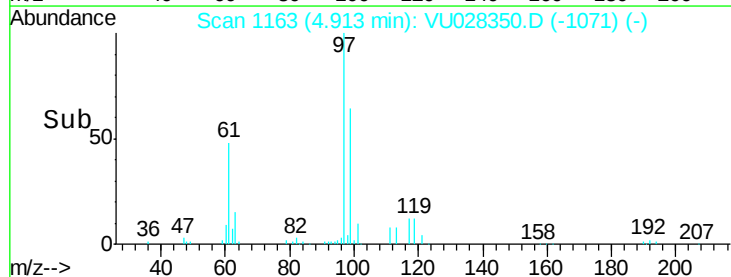
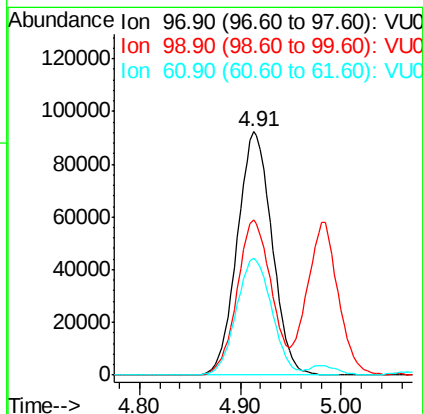
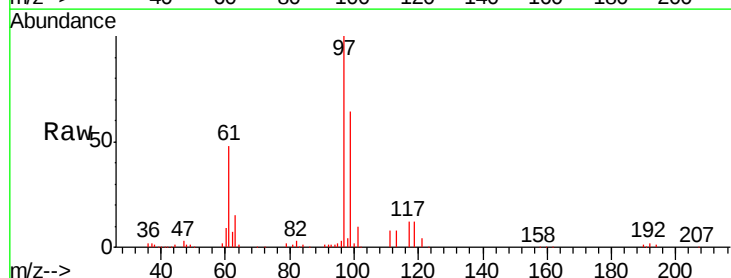
RT: 4.91 min Scan# 1163

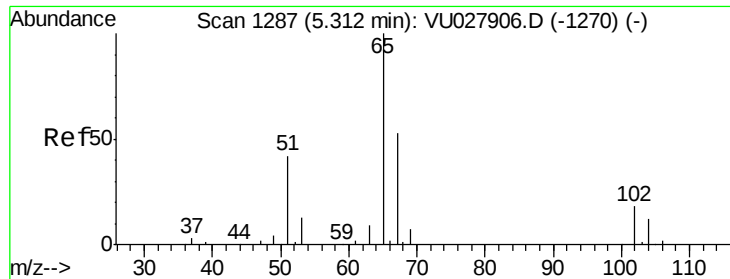
Delta R.T. -0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Tgt Ion:	97	Resp:	220079
Ion Ratio	Lower	Upper	
97	100		
99	63.1	50.5	75.7
61	49.2	38.3	57.5





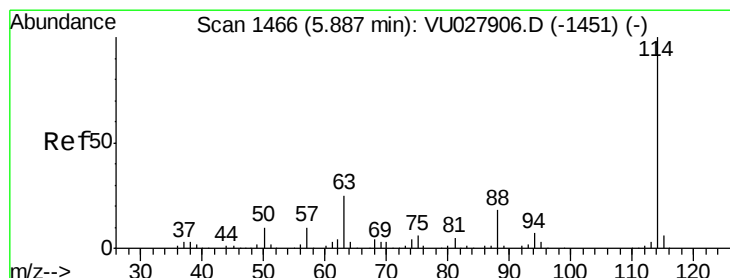
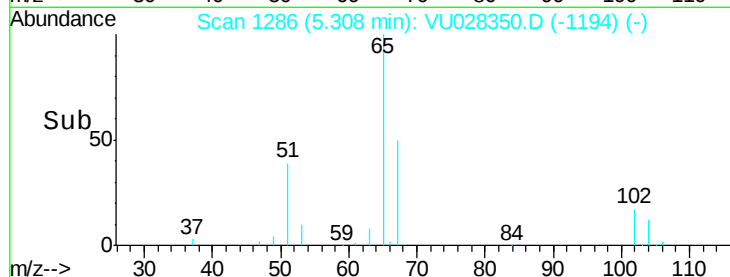
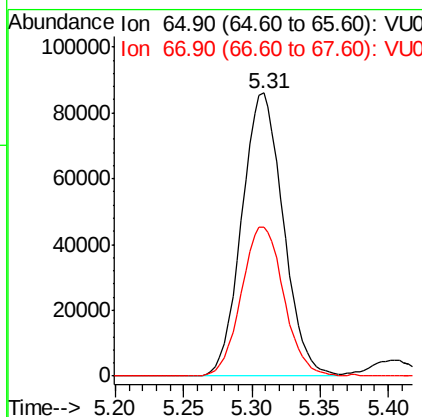
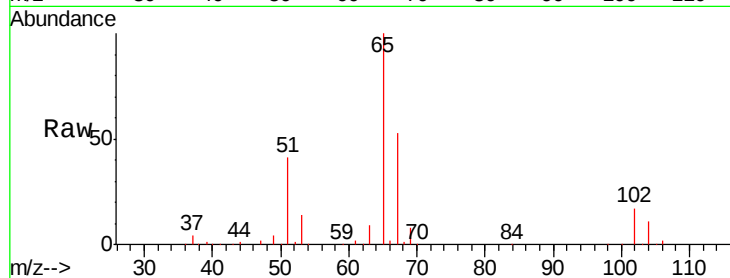
#33
 1,2-Dichloroethane-d4
 Concen: 60.49 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028350.D
 Acq: 27 Nov 2018 21:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 181622
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 109.0

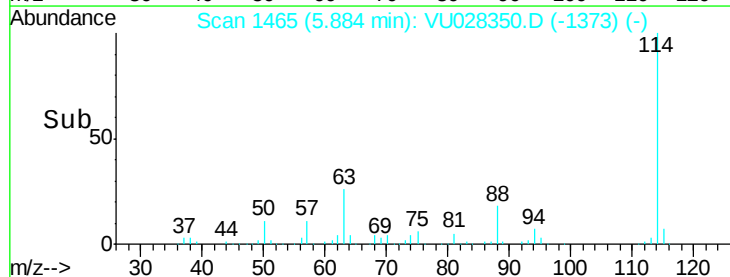
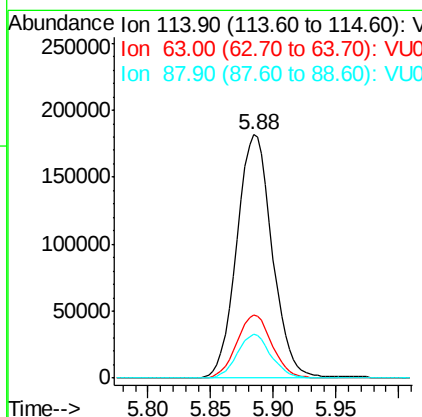
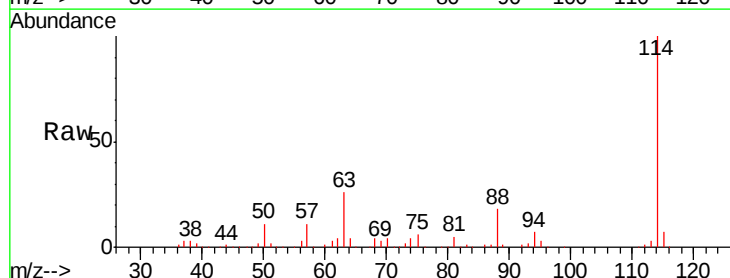
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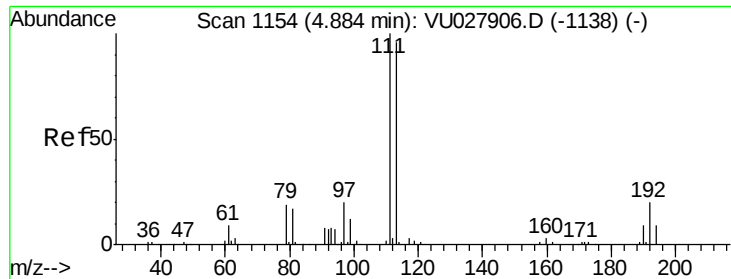
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028350.D
 Acq: 27 Nov 2018 21:01

Tgt Ion: 114 Resp: 357919
 Ion Ratio Lower Upper
 114 100
 63 25.9 0.0 50.8
 88 17.9 0.0 35.8





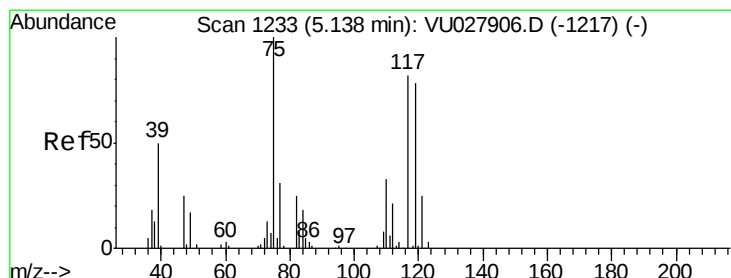
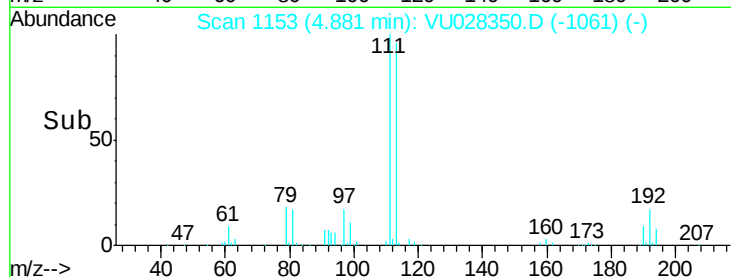
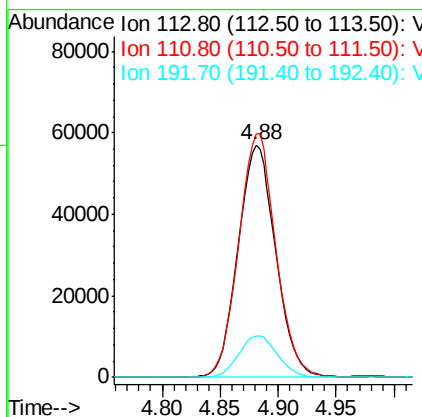
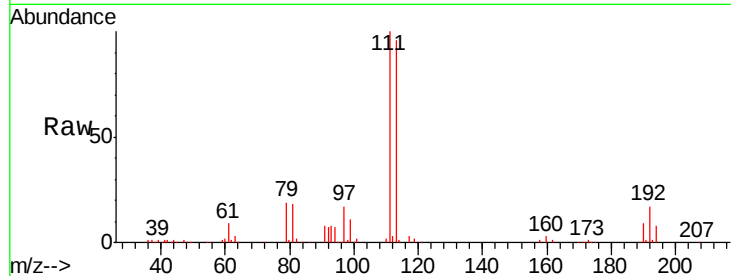
#35
Dibromofluoromethane
Concen: 57.09 ug/l
RT: 4.88 min Scan# 1153
Delta R.T. -0.00 min
Lab File: VU028350.D
Acq: 27 Nov 2018 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	128841		
111	103.5	83.0	124.6	
192	18.4	15.6	23.4	

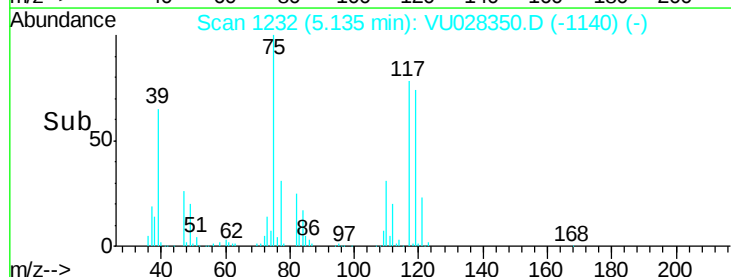
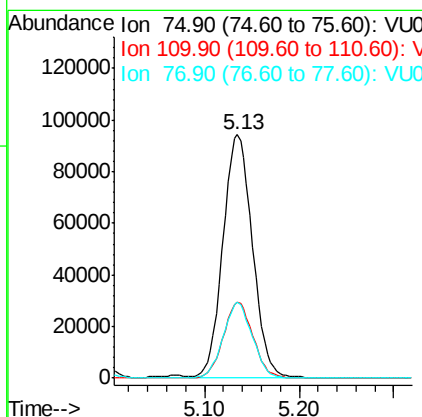
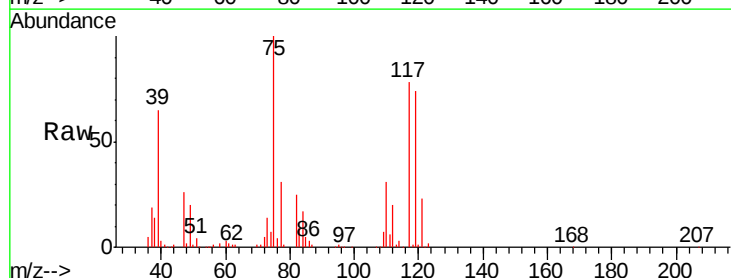
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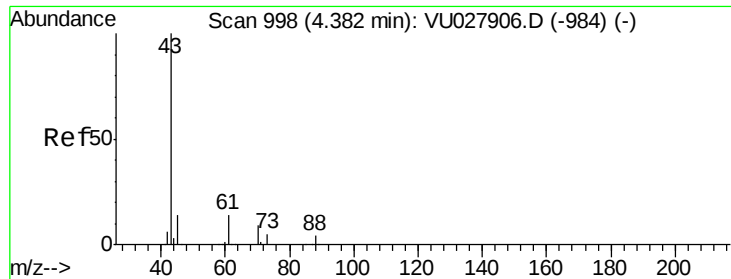
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#36
1,1-Dichloropropene
Concen: 54.82 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028350.D
Acq: 27 Nov 2018 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	205501		
110	31.1	16.5	49.5	
77	30.2	24.9	37.3	





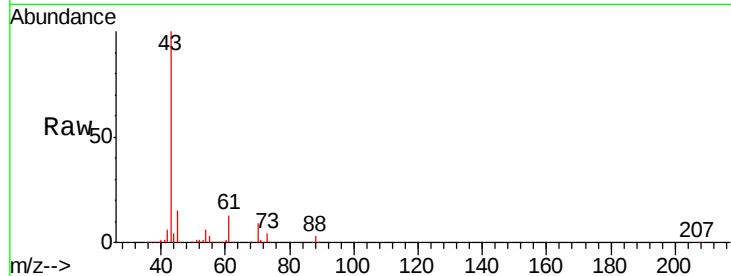
#37
Ethyl Acetate
Concen: 55.65 ug/l
RT: 4.38 min Scan# 996
Delta R.T. -0.01 min
Lab File: VU028350.D
Acq: 27 Nov 2018 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

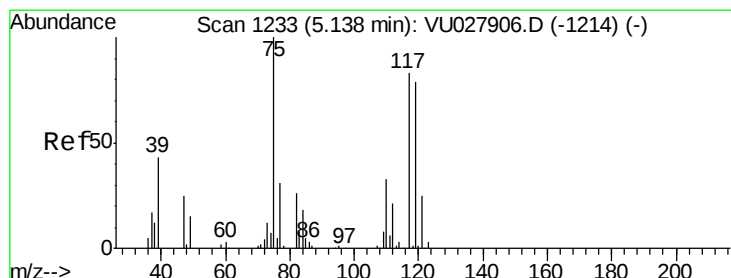
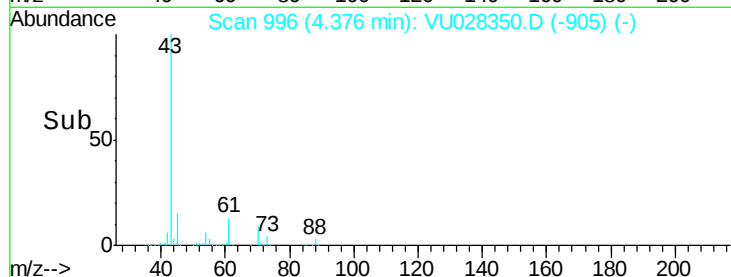
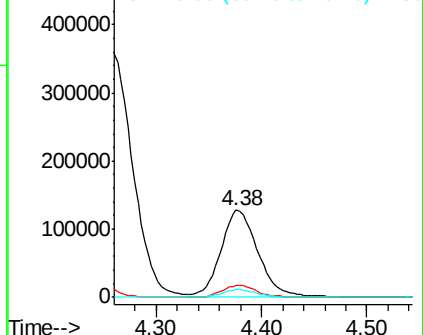
Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.3	15.5
70	8.7	7.0	10.6

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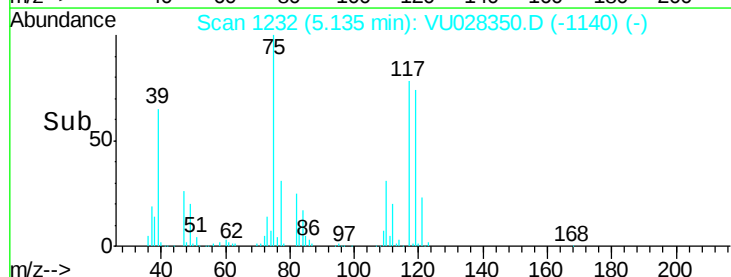
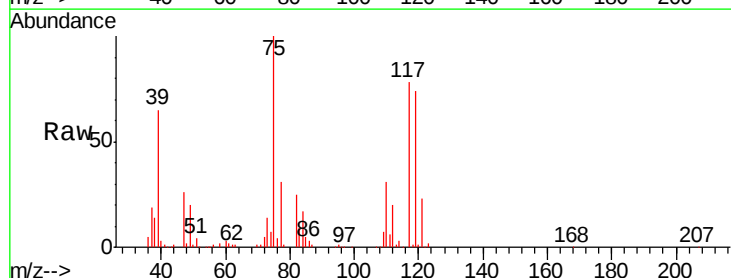
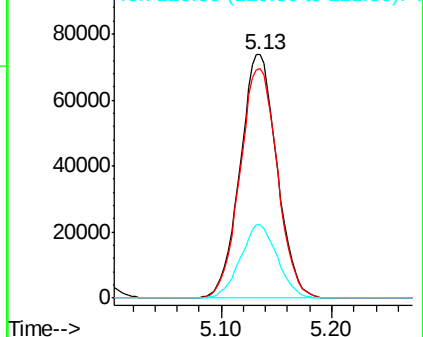
Abundance Ion 43.00 (42.70 to 43.70): VU028350.D (-905) (-)
Ion 60.90 (60.60 to 61.60): VU028350.D (-905) (-)
Ion 70.00 (69.70 to 70.70): VU028350.D (-905) (-)

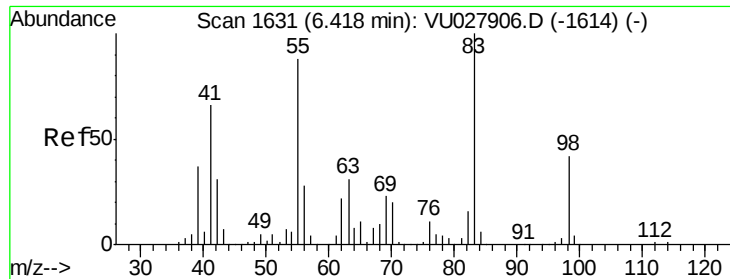


#38
Carbon Tetrachloride
Concen: 51.18 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028350.D
Acq: 27 Nov 2018 21:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.0	114.0
121	29.9	24.5	36.7

Abundance Ion 116.80 (116.50 to 117.50): VU028350.D (-1140) (-)
Ion 118.80 (118.50 to 119.50): VU028350.D (-1140) (-)
Ion 120.80 (120.50 to 121.50): VU028350.D (-1140) (-)





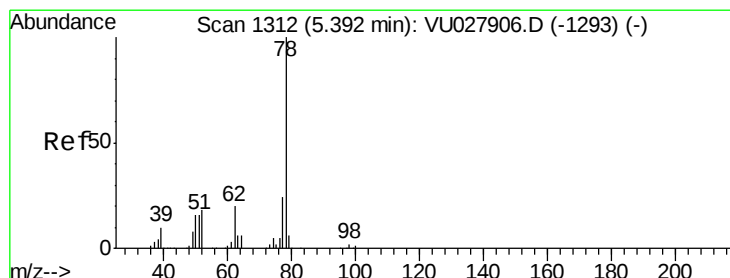
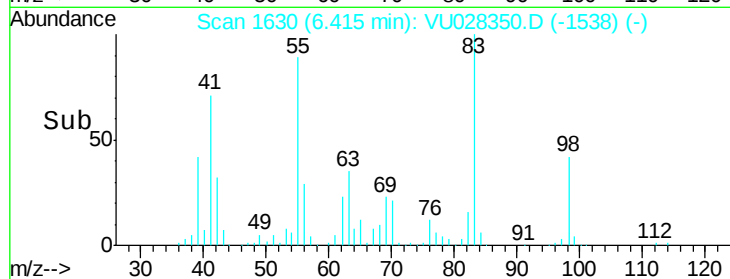
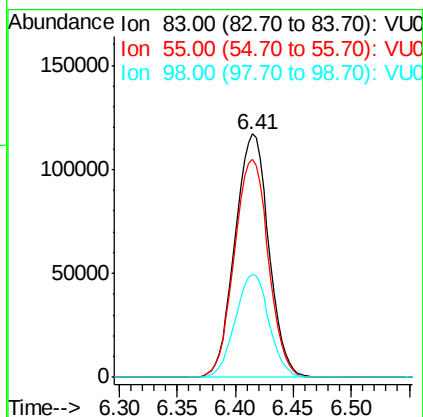
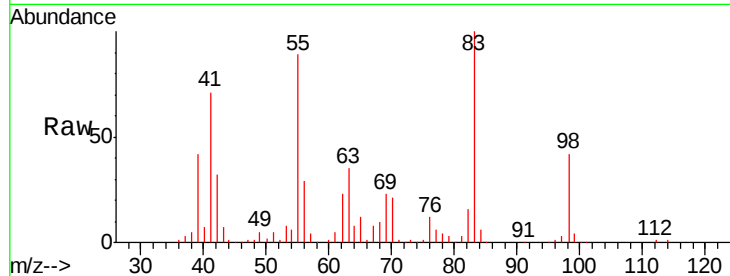
#39
Methylcyclohexane
Concen: 52.54 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028350.D
Acq: 27 Nov 2018 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	89.4	70.3	105.5
98	42.1	34.0	51.0

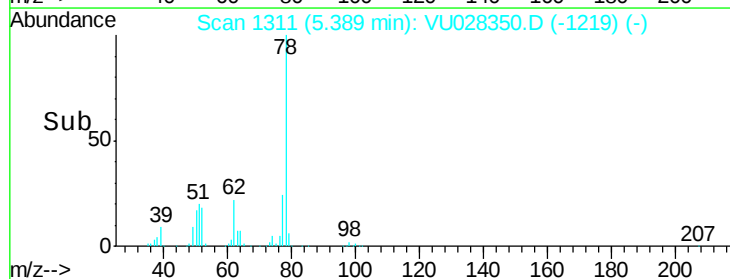
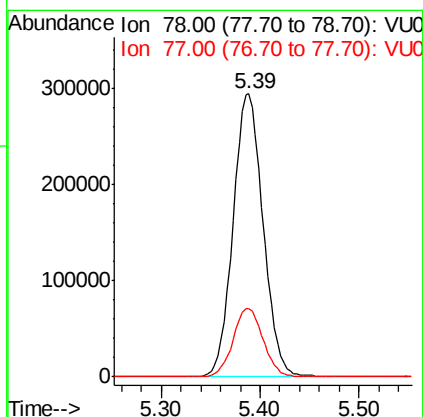
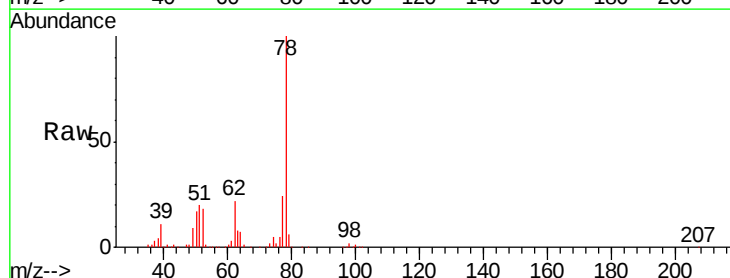
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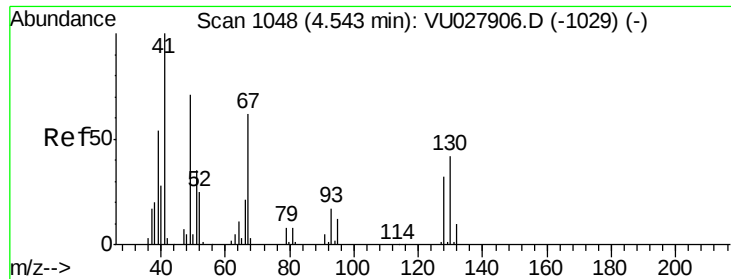
sam
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#40
Benzene
Concen: 54.19 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028350.D
Acq: 27 Nov 2018 21:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.3	28.9





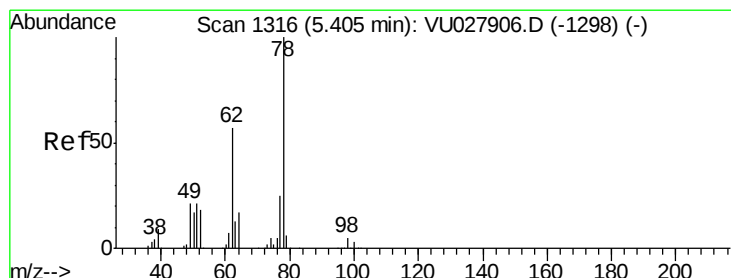
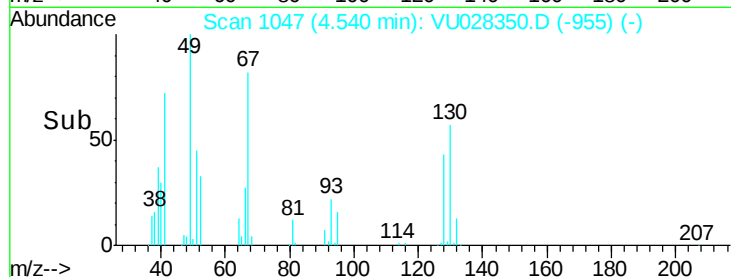
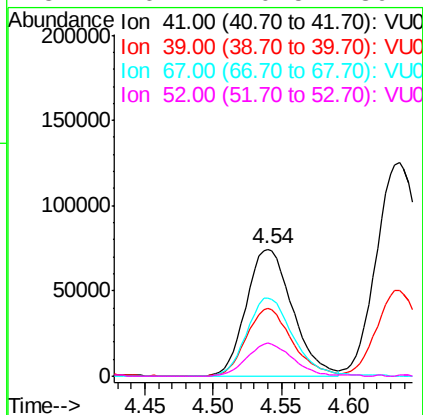
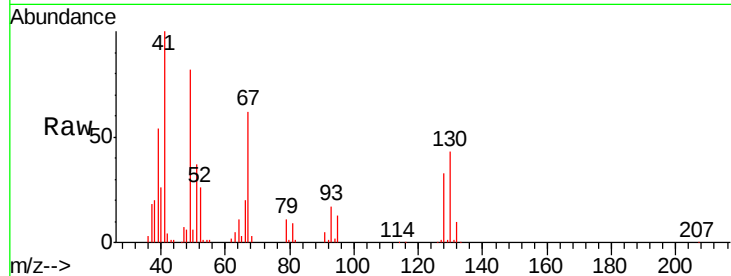
#41
Methacrylonitrile
Concen: 59.98 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028350.D
Acq: 27 Nov 2018 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	52.5	42.2	63.4
67	62.0	49.5	74.3
52	26.2	20.5	30.7

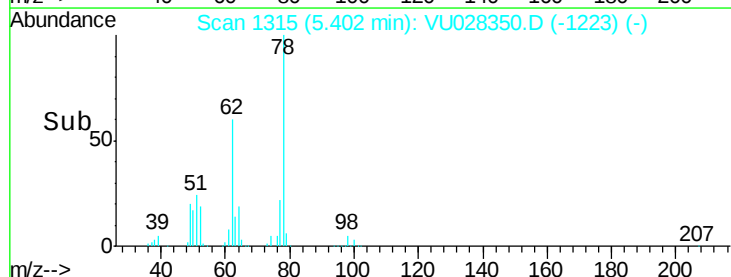
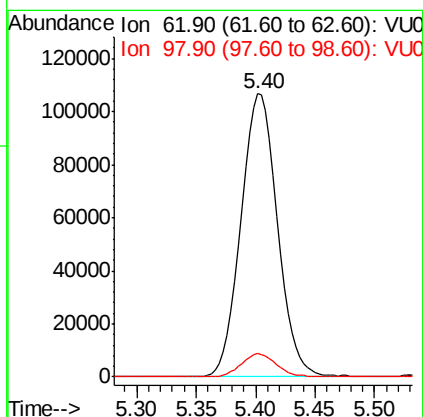
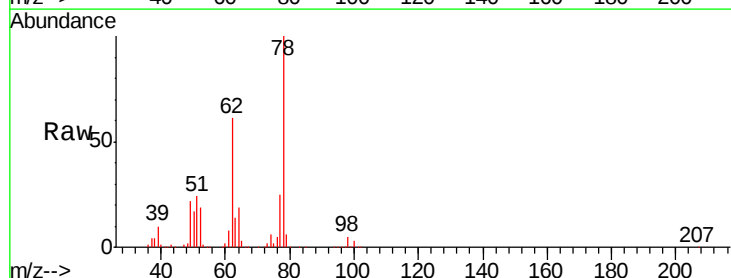
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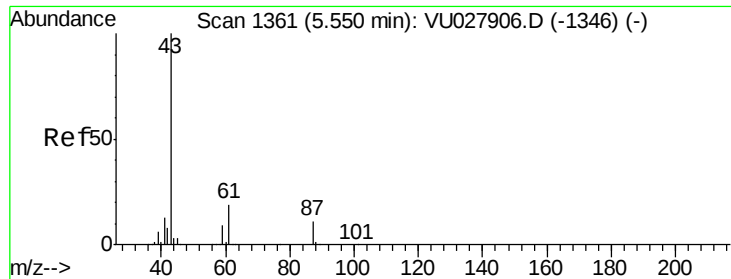
sam
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#42
1,2-Dichloroethane
Concen: 55.80 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028350.D
Acq: 27 Nov 2018 21:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	17.2





#43

Isopropyl Acetate

Concen: 55.89 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Instrument :

MSVOA_U

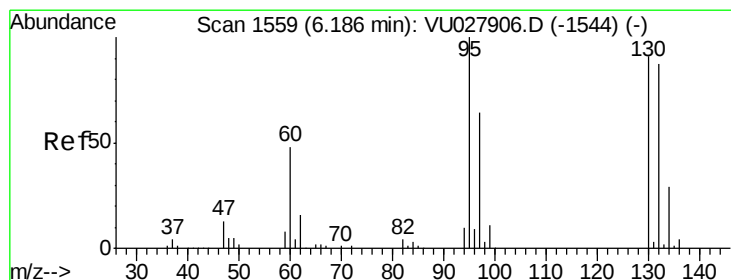
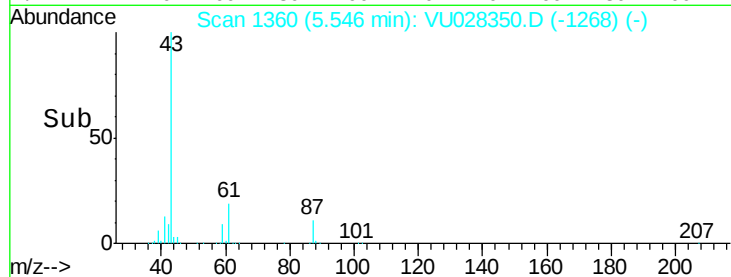
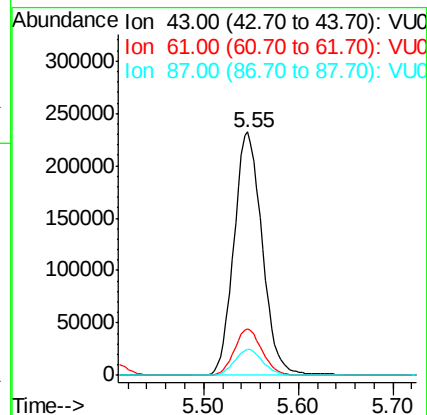
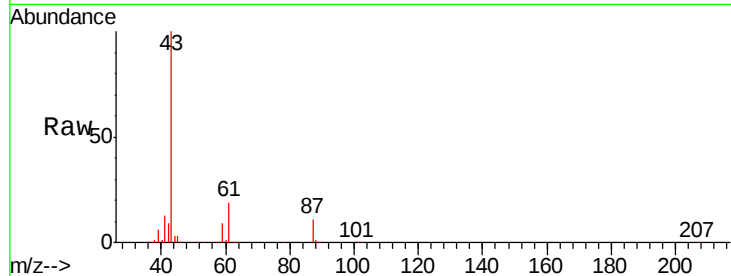
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	480938
Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.0	22.4
87	10.7	8.6	12.8

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#44

Trichloroethene

Concen: 53.71 ug/l

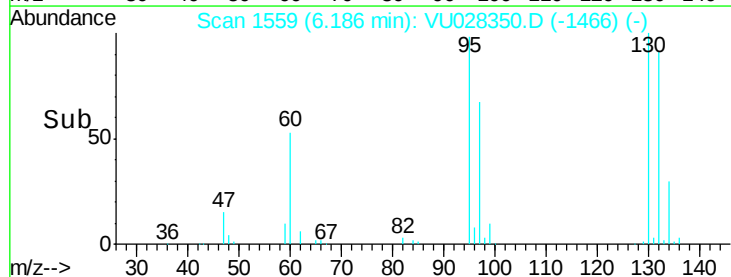
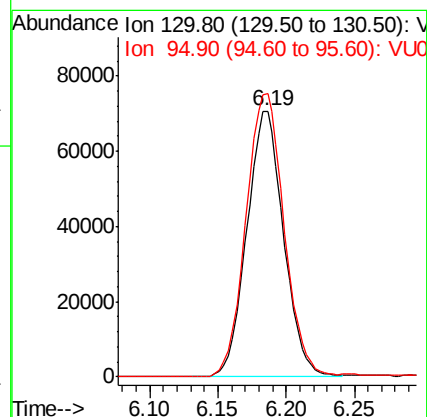
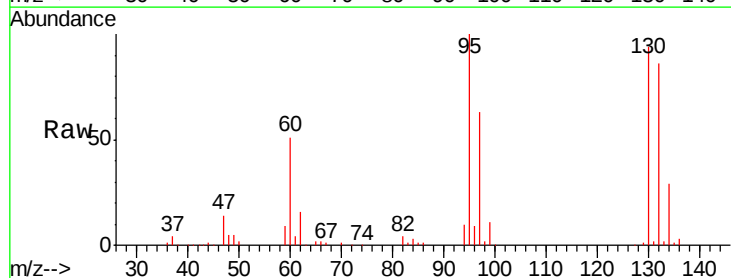
RT: 6.19 min Scan# 1559

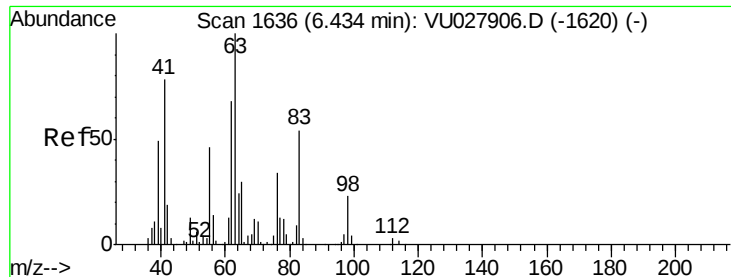
Delta R.T. 0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Tgt Ion:	130	Resp:	132311
Ion	Ratio	Lower	Upper
130	100		
95	106.5	0.0	219.2





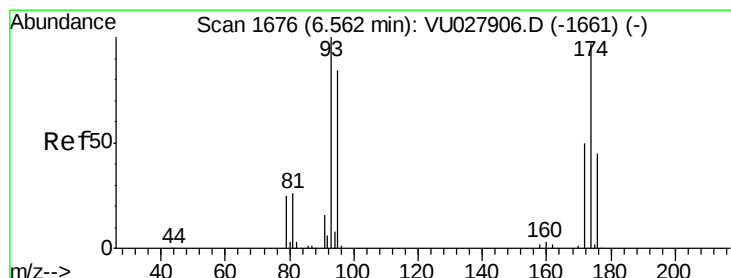
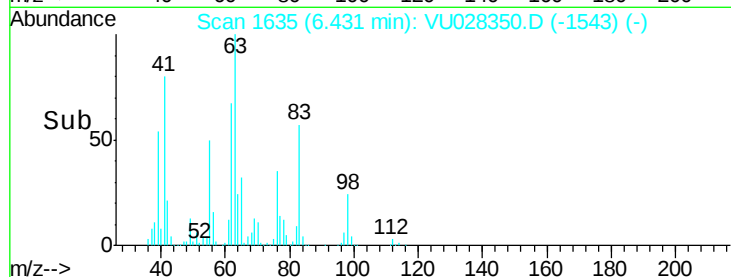
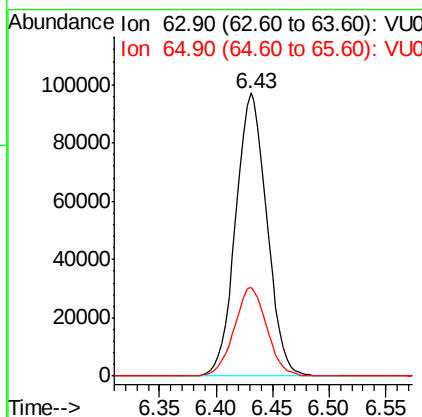
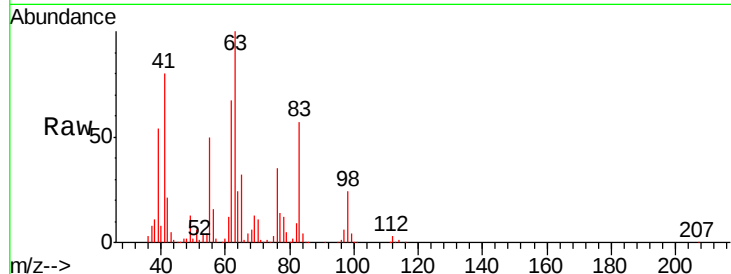
#45
 1,2-Dichloropropane
 Concen: 56.65 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028350.D
 Acq: 27 Nov 2018 21:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 187231
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.4 36.6

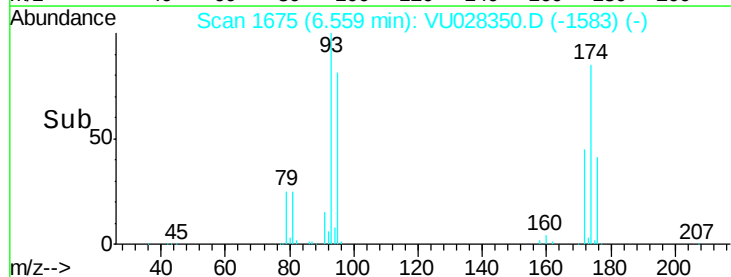
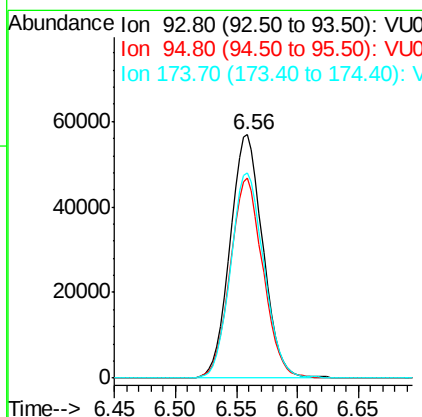
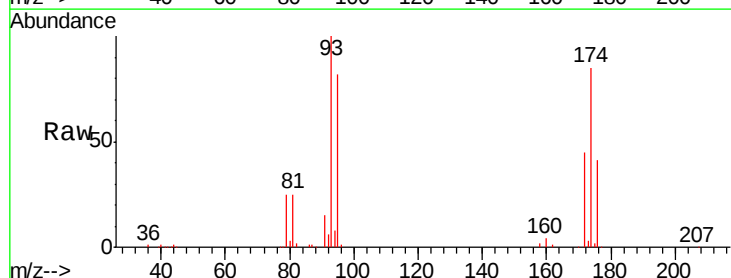
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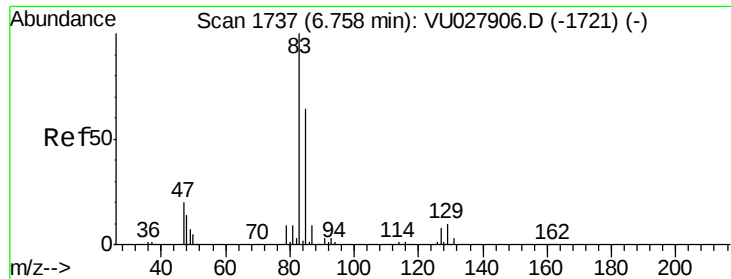
sam
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#46
 Dibromomethane
 Concen: 56.05 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028350.D
 Acq: 27 Nov 2018 21:01

Tgt Ion: 93 Resp: 106488
 Ion Ratio Lower Upper
 93 100
 95 82.2 68.5 102.7
 174 85.5 76.1 114.1





#47

Bromodichloromethane

Concen: 57.82 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Instrument :

MSVOA_U

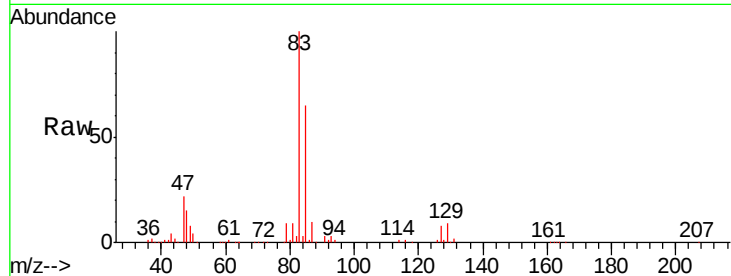
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	211681
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.0	76.6
127	7.6	6.2	9.4

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Abundance Ion 82.90 (82.60 to 83.60): VU028350.D (-1644) (-)

Ion 84.90 (84.60 to 85.60): VU028350.D (-1644) (-)

Ion 126.80 (126.50 to 127.50): VU028350.D (-1644) (-)

6.76

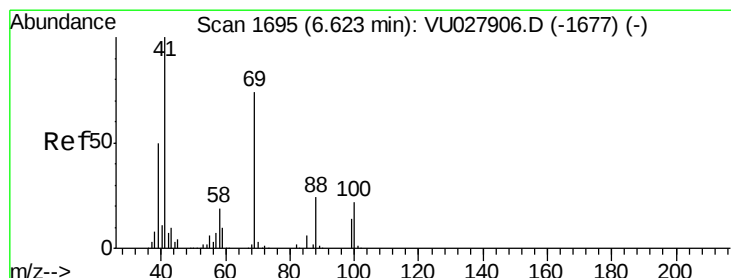
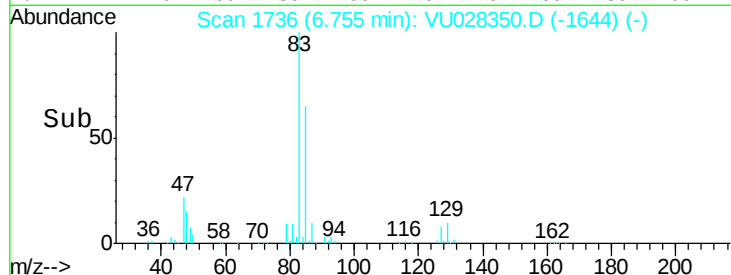
150000

100000

50000

0

Time--> 6.65 6.70 6.75 6.80 6.85



#48

Methyl methacrylate

Concen: 58.66 ug/l

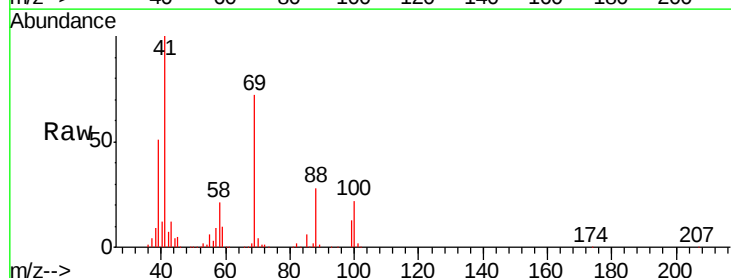
RT: 6.62 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Tgt Ion:	41	Resp:	247348
Ion Ratio	Lower	Upper	
41	100		
69	71.7	59.8	89.8
39	50.8	40.0	60.0



Abundance Ion 41.00 (40.70 to 41.70): VU028350.D (-1602) (-)

Ion 69.00 (68.70 to 69.70): VU028350.D (-1602) (-)

Ion 39.00 (38.70 to 39.70): VU028350.D (-1602) (-)

6.62

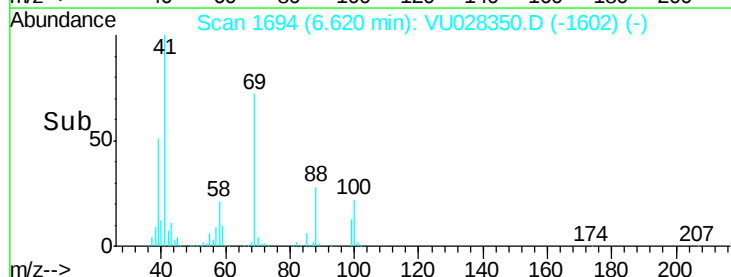
150000

100000

50000

0

Time--> 6.55 6.60 6.65 6.70





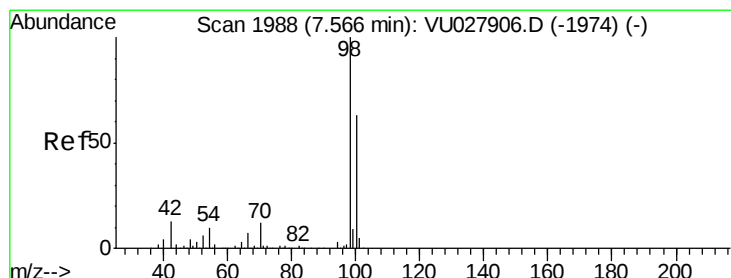
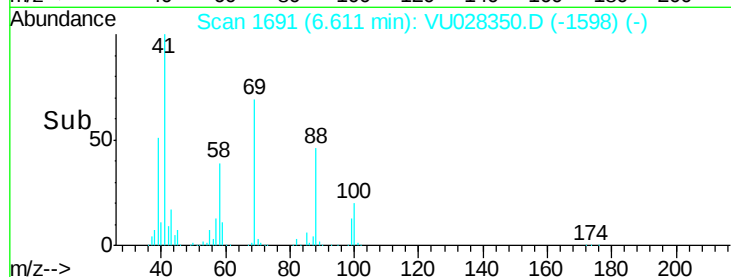
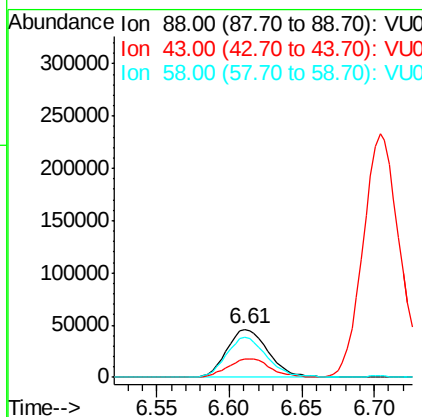
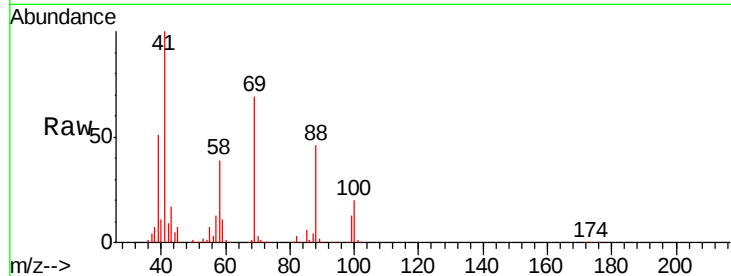
#49
1,4-Dioxane
Concen: 1317.23 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028350.D
Acq: 27 Nov 2018 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 90624
Ion Ratio Lower Upper
88 100
43 38.8 30.5 45.7
58 82.1 67.1 100.7

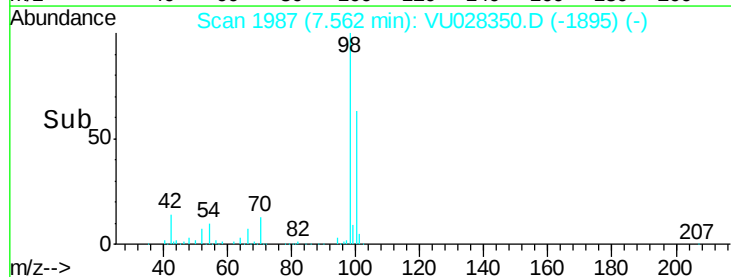
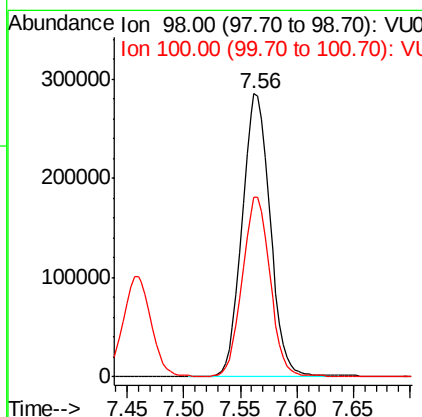
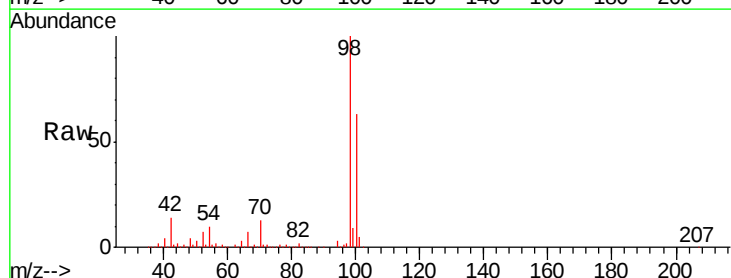
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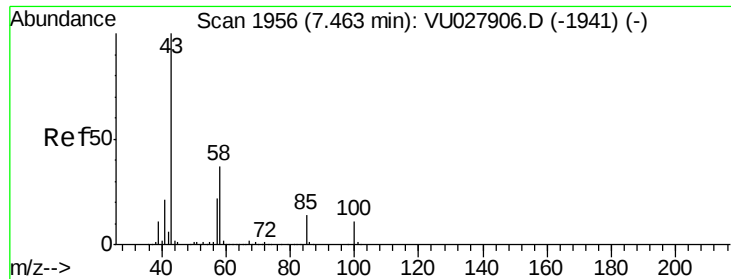
sam
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#50
Toluene-d8
Concen: 56.67 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028350.D
Acq: 27 Nov 2018 21:01

Tgt Ion: 98 Resp: 493995
Ion Ratio Lower Upper
98 100
100 62.5 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 283.94 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1631773

Ion Ratio Lower Upper

43 100

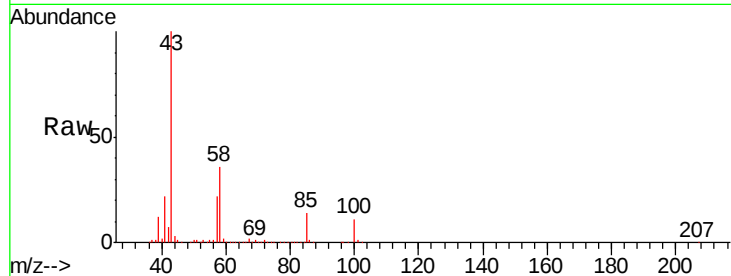
58 36.1 29.5 44.3

Manual Integrations

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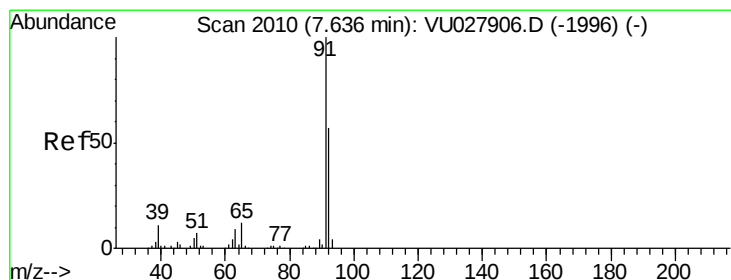
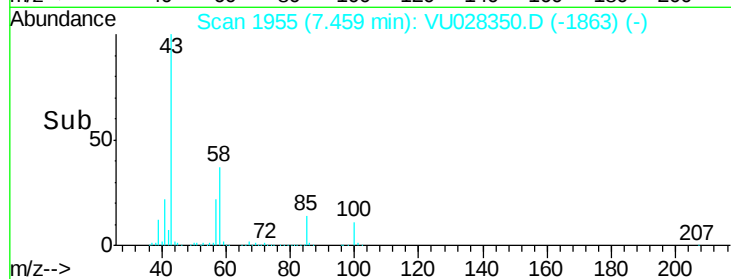
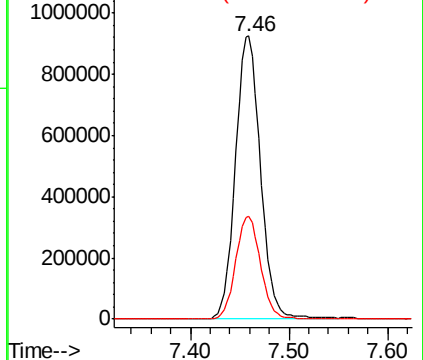
sam

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 54.00 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028350.D

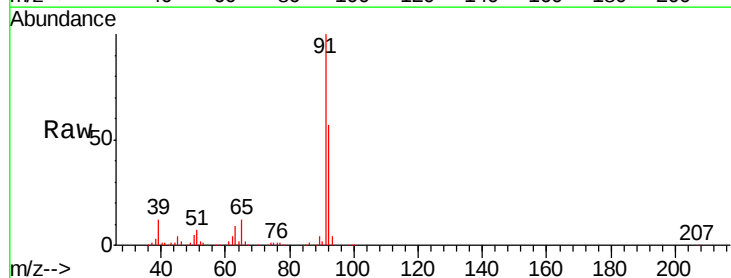
Acq: 27 Nov 2018 21:01

Tgt Ion: 92 Resp: 363874

Ion Ratio Lower Upper

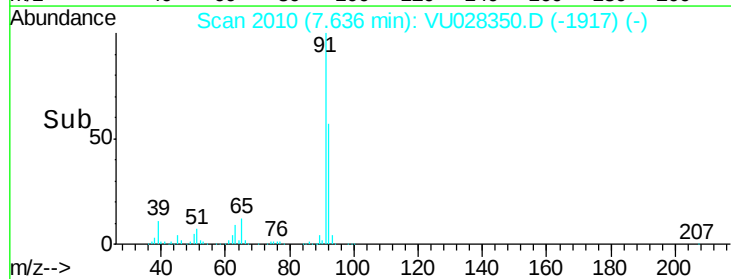
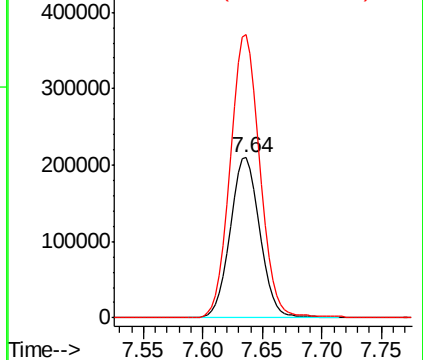
92 100

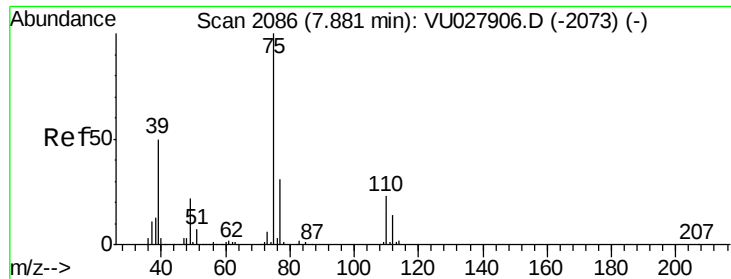
91 176.5 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





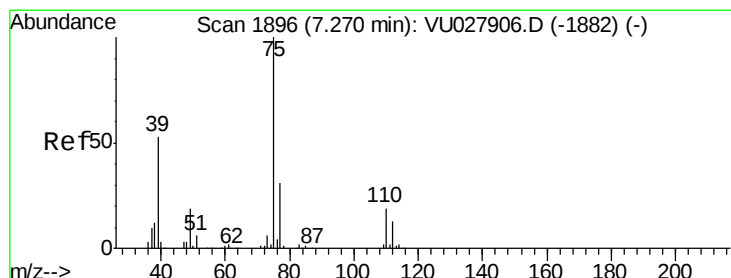
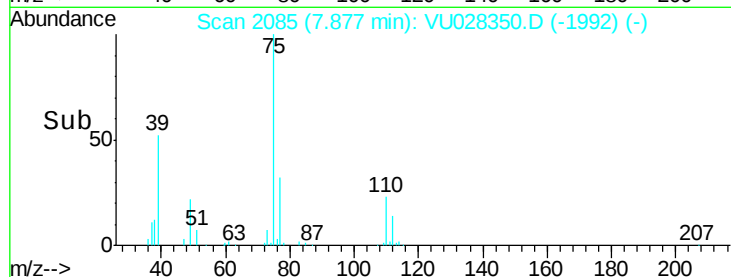
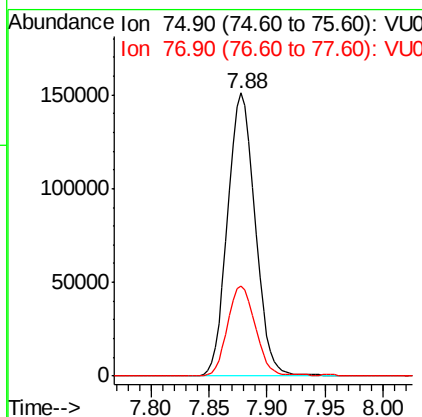
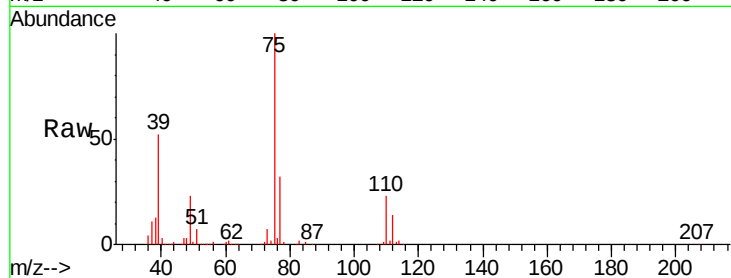
#53
t-1,3-Dichloropropene
Concen: 54.63 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028350.D
Acq: 27 Nov 2018 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 248501
Ion Ratio Lower Upper
75 100
77 31.7 25.1 37.7

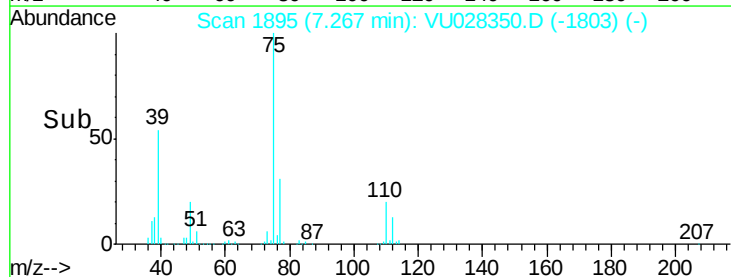
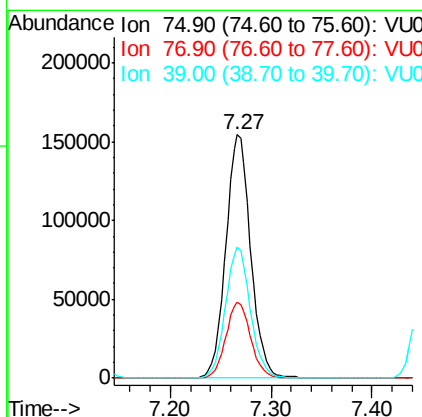
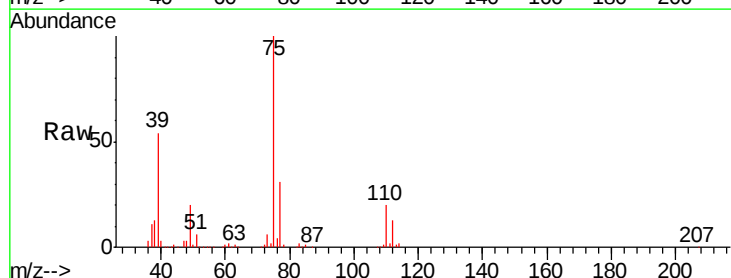
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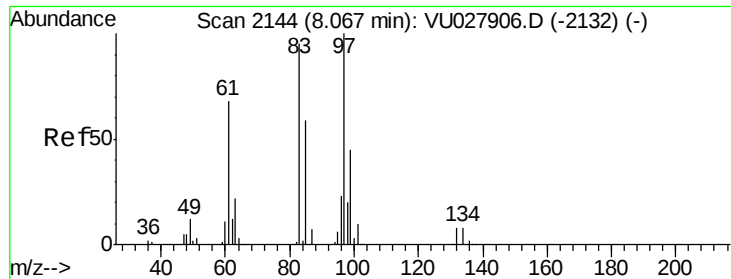
sam
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#54
cis-1,3-Dichloropropene
Concen: 58.82 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028350.D
Acq: 27 Nov 2018 21:01

Tgt Ion: 75 Resp: 265493
Ion Ratio Lower Upper
75 100
77 31.1 24.6 37.0
39 53.5 42.6 64.0





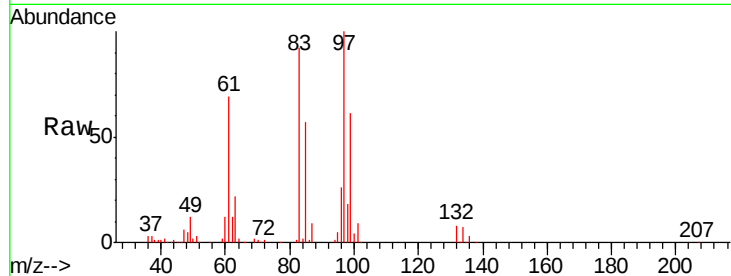
#55
 1,1,2-Trichloroethane
 Concen: 54.77 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028350.D
 Acq: 27 Nov 2018 21:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	150127
Ion	Ratio	Lower	Upper
97	100		
83	92.5	76.1	114.1
85	57.3	48.9	73.3
99	60.6	52.0	78.0

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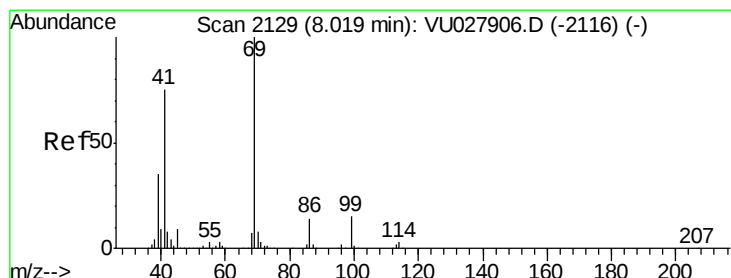
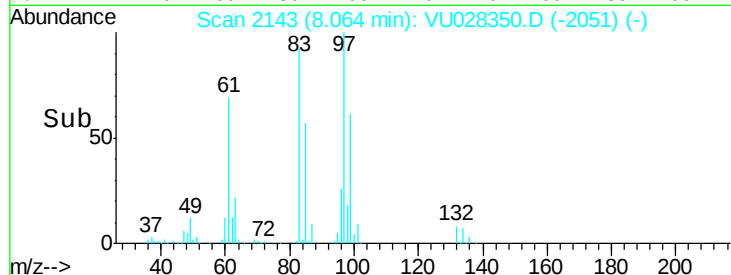
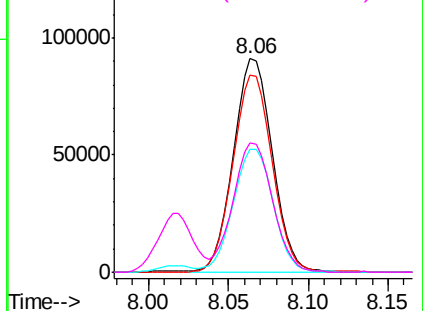


Abundance Ion 96.90 (96.60 to 97.60): VU028350.D (-2051) (-)

Ion 82.90 (82.60 to 83.60): VU028350.D (-2051) (-)

Ion 84.90 (84.60 to 85.60): VU028350.D (-2051) (-)

Ion 98.90 (98.60 to 99.60): VU028350.D (-2051) (-)



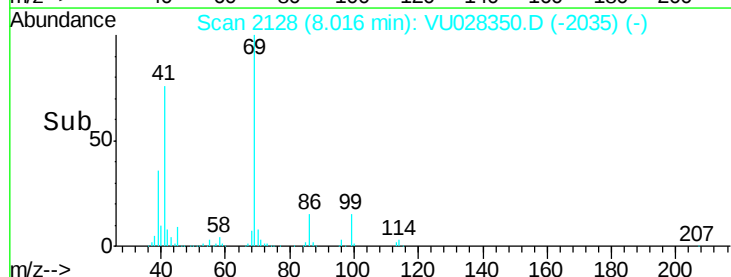
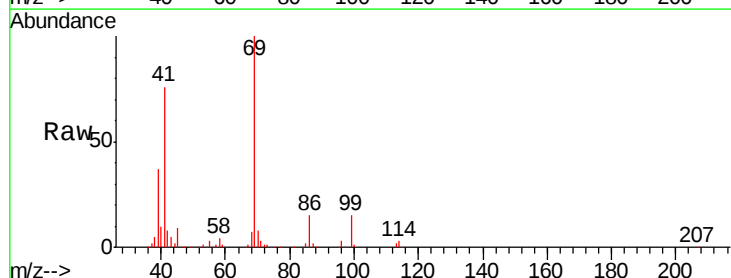
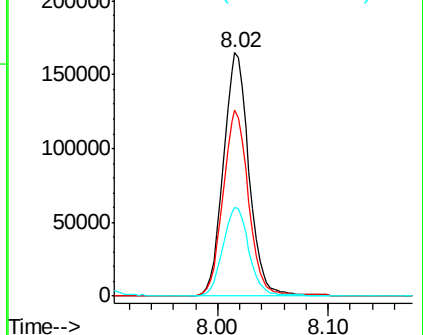
#56
 Ethyl methacrylate
 Concen: 54.95 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028350.D
 Acq: 27 Nov 2018 21:01

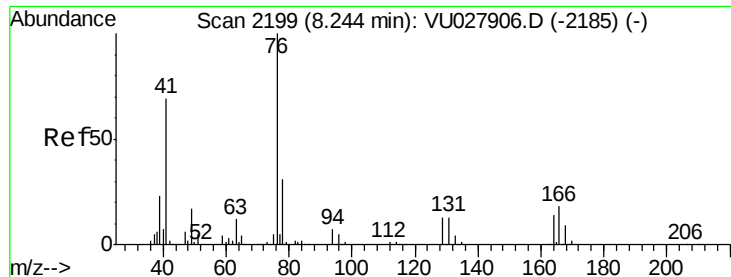
Tgt Ion:	69	Resp:	265646
Ion	Ratio	Lower	Upper
69	100		
41	76.2	59.8	89.6
39	36.9	28.6	42.8

Abundance Ion 69.00 (68.70 to 69.70): VU028350.D (-2035) (-)

Ion 41.00 (40.70 to 41.70): VU028350.D (-2035) (-)

Ion 39.00 (38.70 to 39.70): VU028350.D (-2035) (-)





#57

1,3-Dichloropropane

Concen: 56.57 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 282471

Ion Ratio Lower Upper

76 100

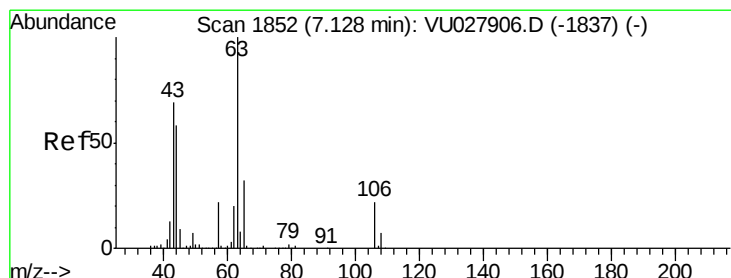
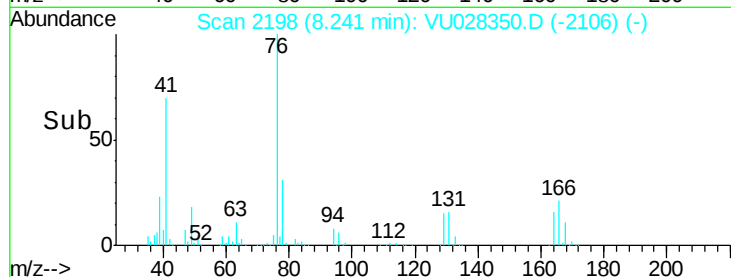
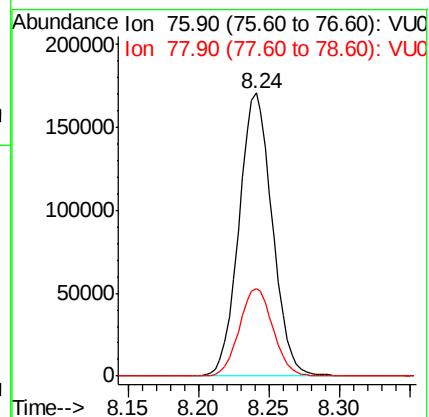
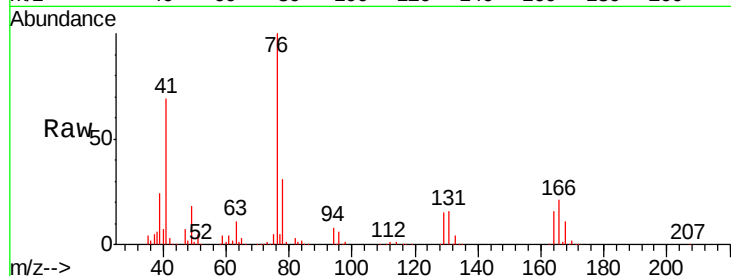
78 31.4 25.3 37.9

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#58

2-Chloroethyl Vinyl ether

Concen: 280.66 ug/l

RT: 7.13 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU028350.D

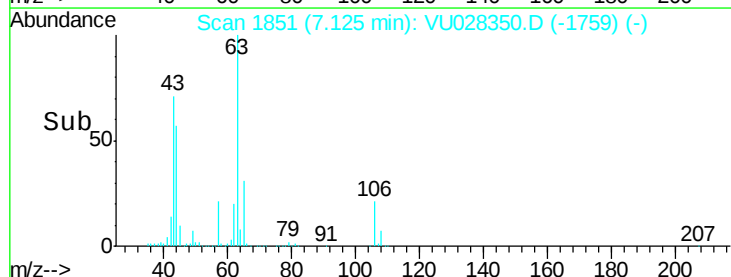
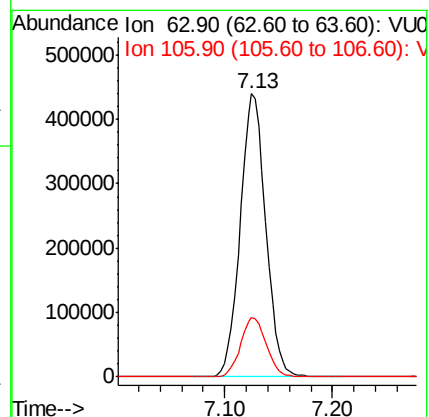
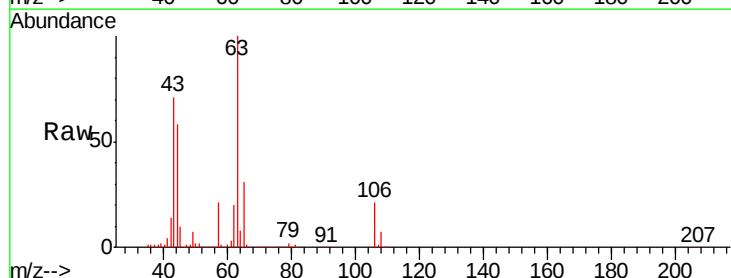
Acq: 27 Nov 2018 21:01

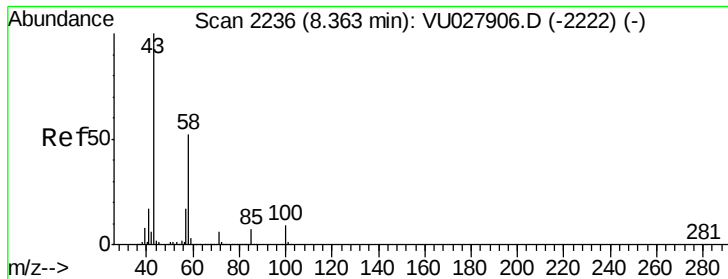
Tgt Ion: 63 Resp: 726638

Ion Ratio Lower Upper

63 100

106 21.1 17.8 26.6





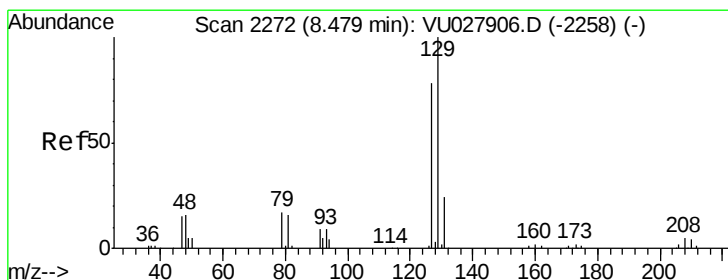
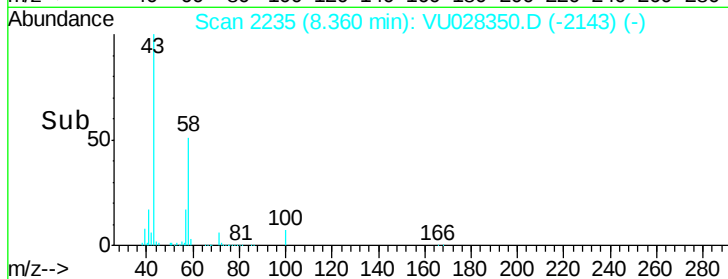
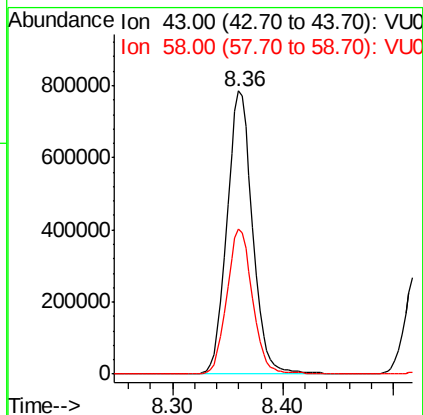
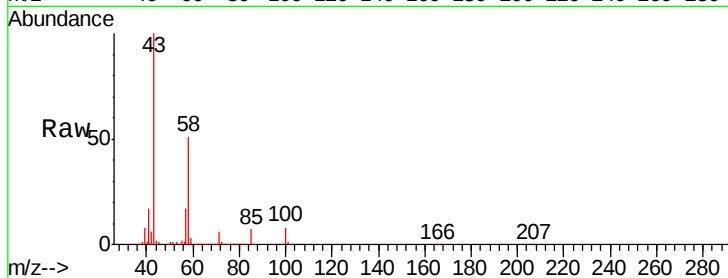
#59
2-Hexanone
Concen: 283.81 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028350.D
Acq: 27 Nov 2018 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1261474
Ion Ratio Lower Upper
43 100
58 51.5 25.8 77.3

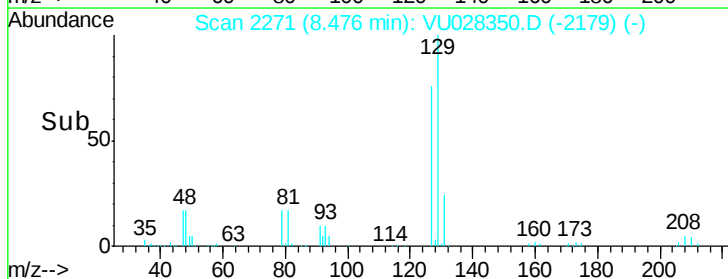
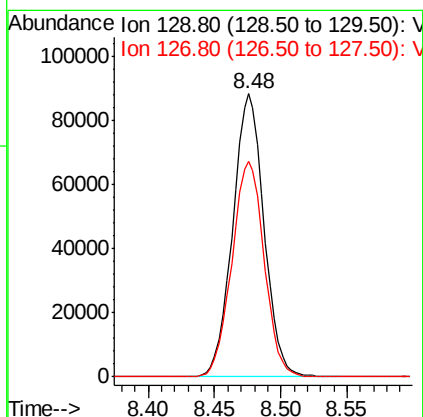
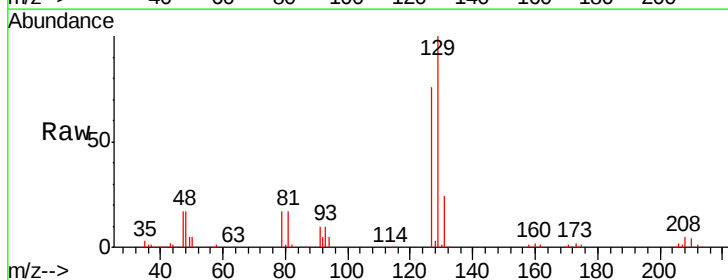
Manual Integrations
APPROVED

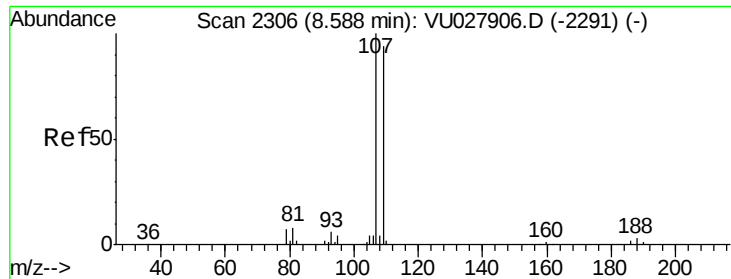
sam
11/28/2018 5:25:20 PM



#60
Dibromochloromethane
Concen: 55.79 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028350.D
Acq: 27 Nov 2018 21:01

Tgt Ion: 129 Resp: 144722
Ion Ratio Lower Upper
129 100
127 78.5 39.2 117.6





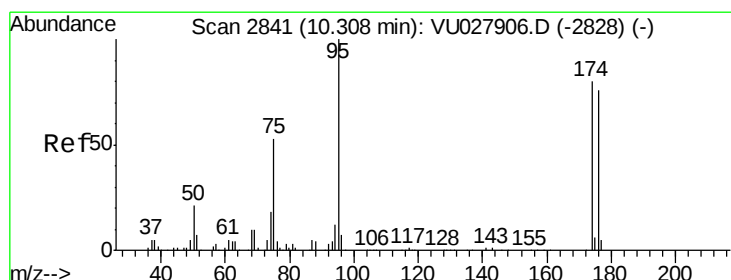
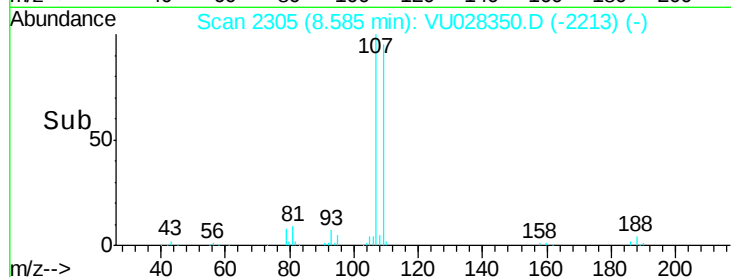
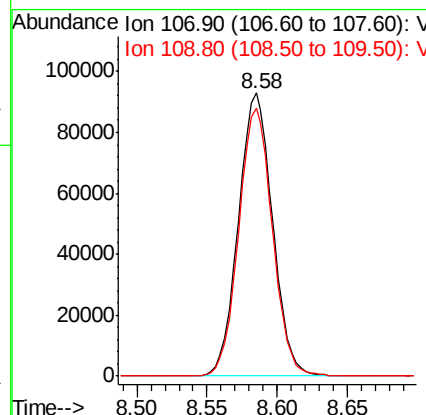
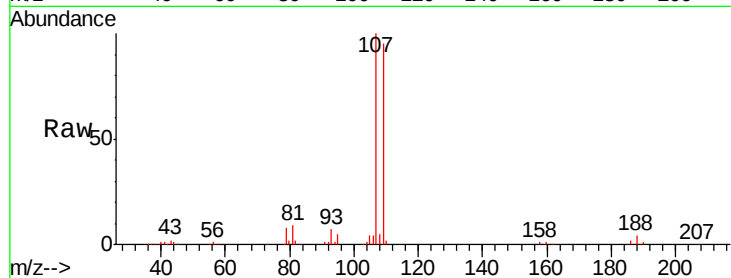
#61
 1,2-Dibromoethane
 Concen: 54.20 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU028350.D
 Acq: 27 Nov 2018 21:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	157880		
109	93.6	73.8	110.8	

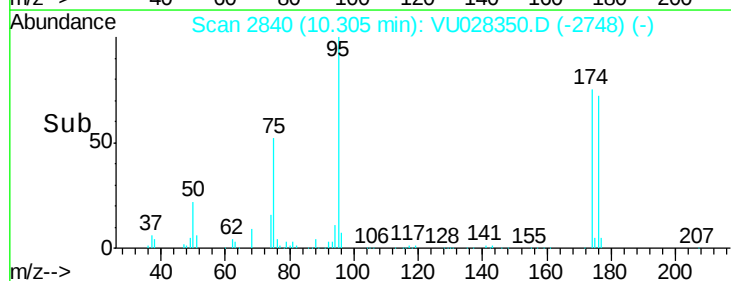
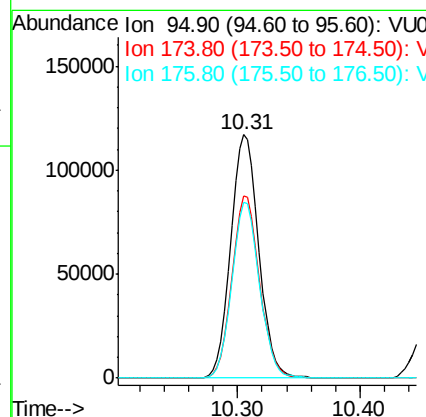
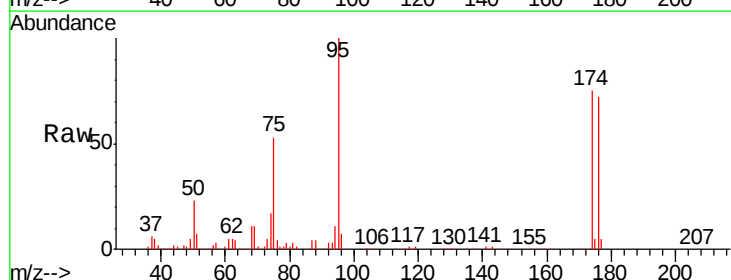
Manual Integrations
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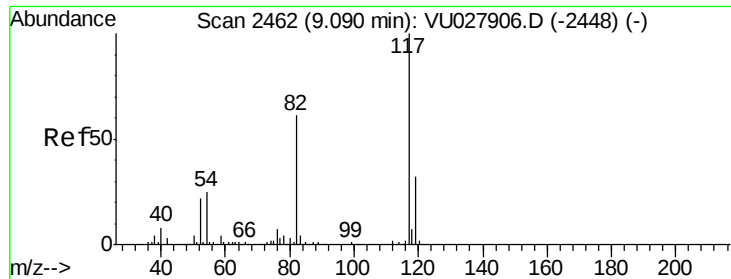
sam
 11/28/2018 5:25:20 PM



#62
 4-Bromofluorobenzene
 Concen: 58.59 ug/l
 RT: 10.31 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028350.D
 Acq: 27 Nov 2018 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	188399		
174	73.7	0.0	156.4	
176	71.2	0.0	150.8	





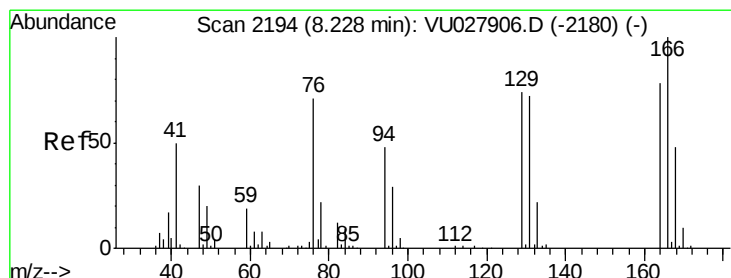
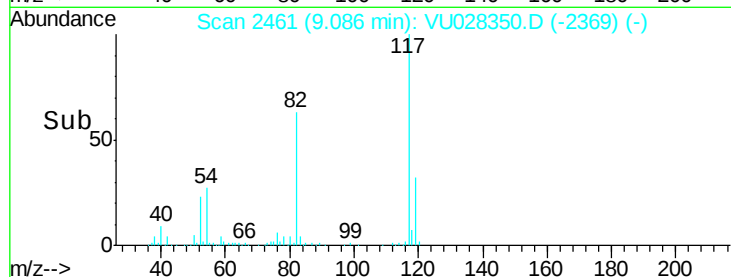
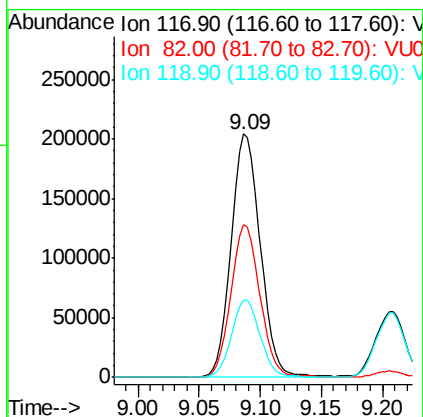
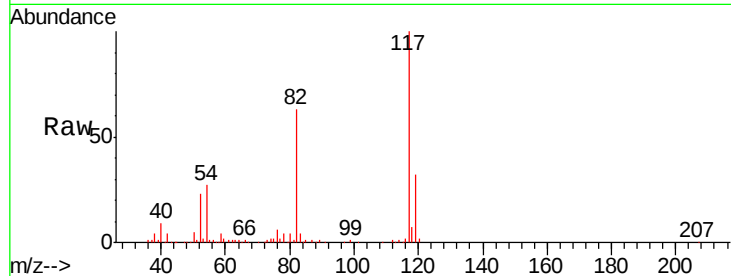
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU028350.D
Acq: 27 Nov 2018 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	341255		
82	62.8	48.6	73.0	
119	31.7	25.8	38.8	

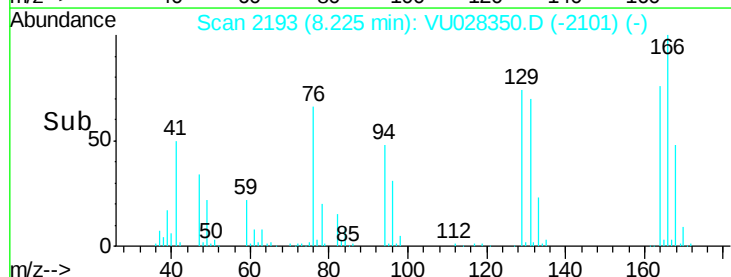
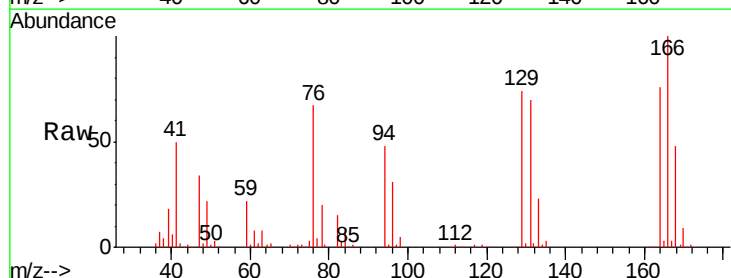
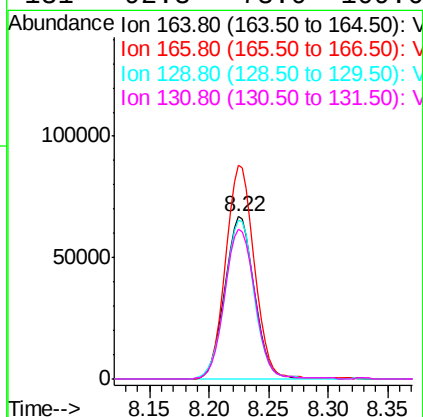
Manual Integrations
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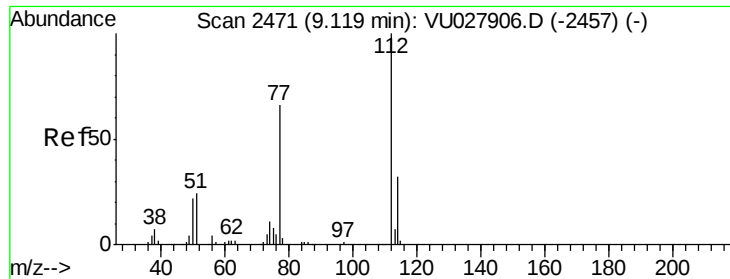
sam
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#64
Tetrachloroethene
Concen: 52.43 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028350.D
Acq: 27 Nov 2018 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	116023		
166	131.5	102.1	153.1	
129	97.9	75.9	113.9	
131	92.3	73.0	109.6	





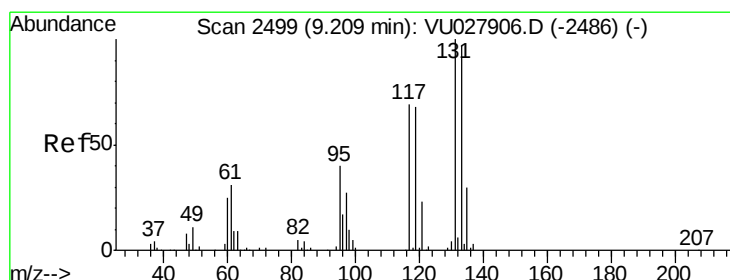
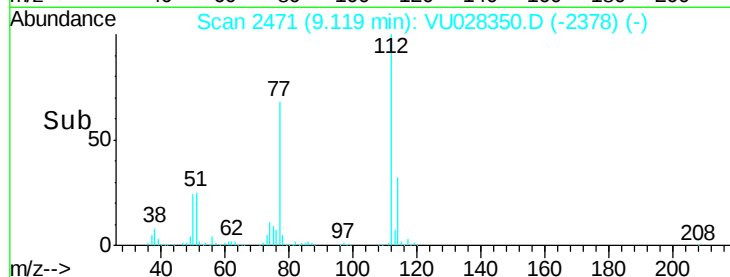
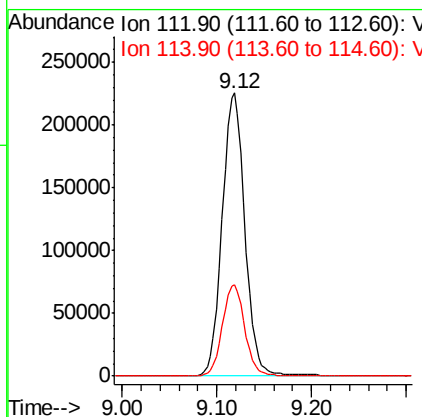
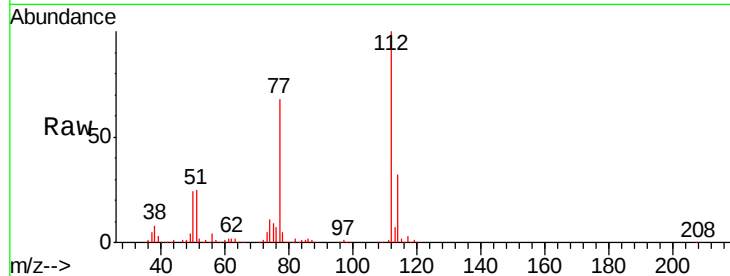
#65
Chlorobenzene
Concen: 52.24 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028350.D
Acq: 27 Nov 2018 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 376622
Ion Ratio Lower Upper
112 100
114 32.1 25.2 37.8

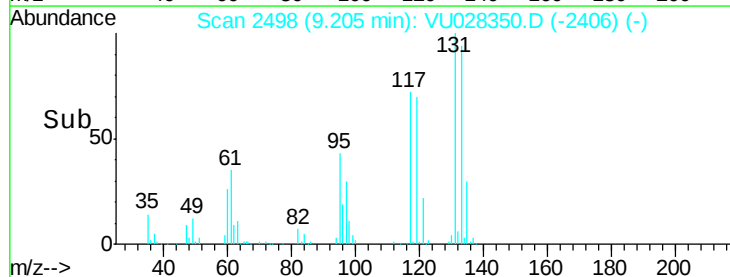
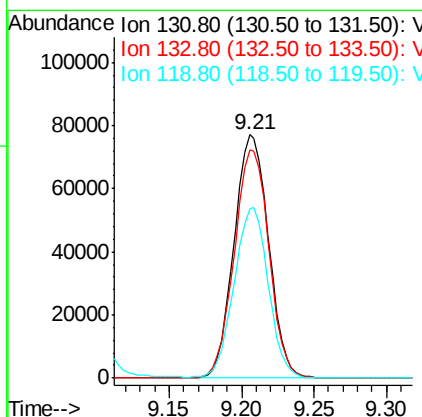
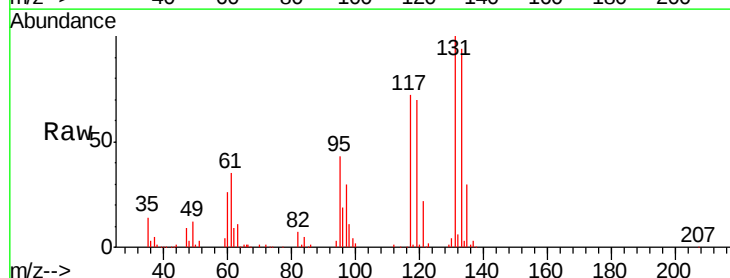
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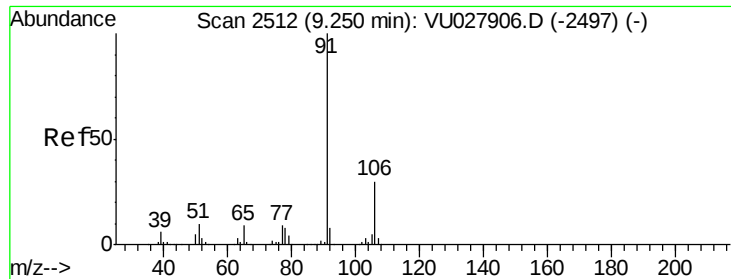
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.74 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028350.D
Acq: 27 Nov 2018 21:01

Tgt Ion:131 Resp: 127425
Ion Ratio Lower Upper
131 100
133 94.8 48.1 144.4
119 69.3 34.0 101.8





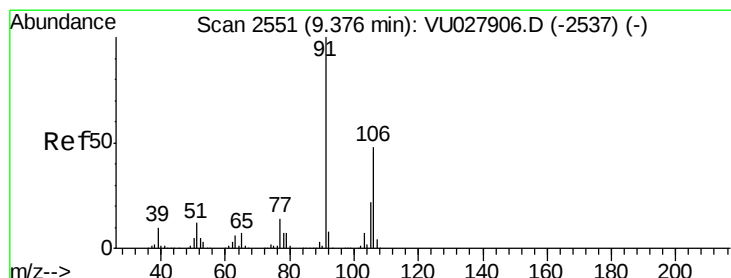
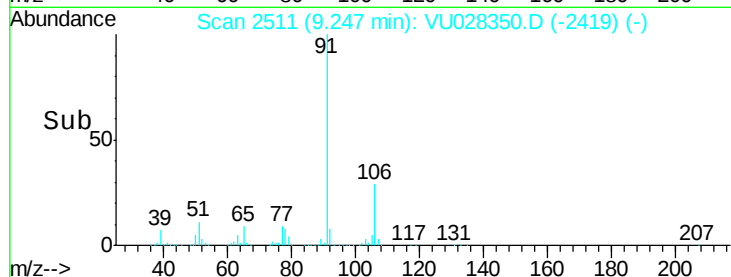
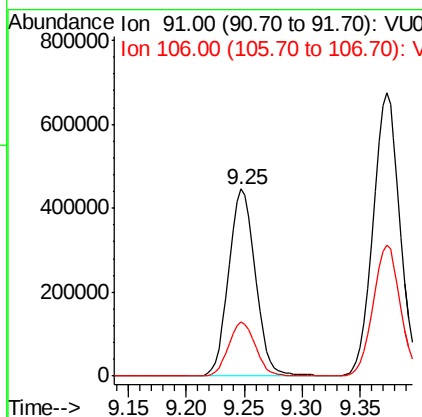
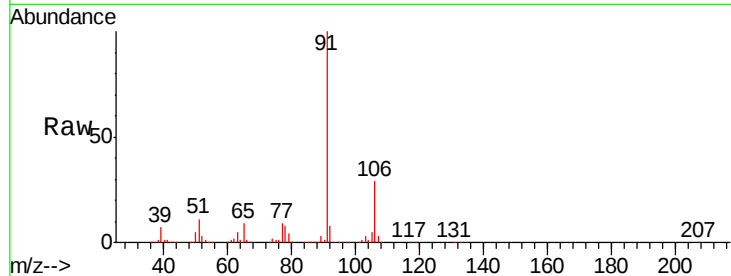
#67
 Ethyl Benzene
 Concen: 53.54 ug/l
 RT: 9.25 min Scan# 2511
 Delta R.T. -0.00 min
 Lab File: VU028350.D
 Acq: 27 Nov 2018 21:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 91 Resp: 710497
 Ion Ratio Lower Upper
 91 100
 106 28.7 23.6 35.4

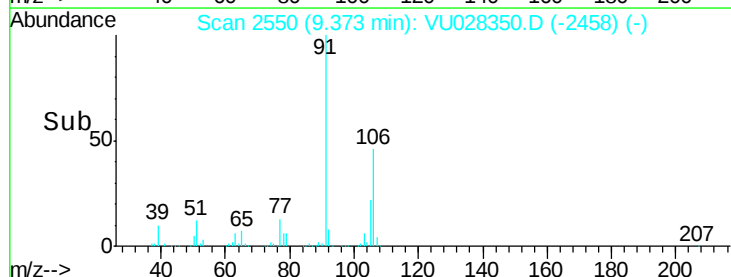
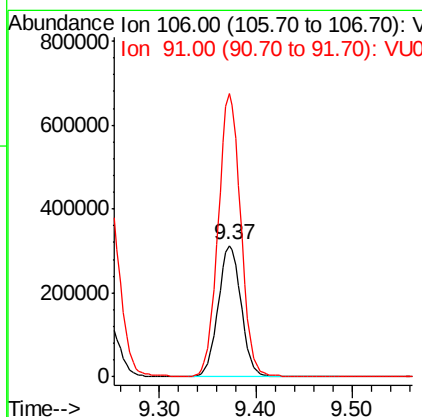
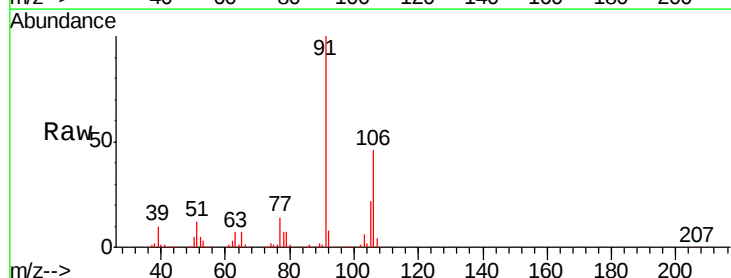
Manual Integrations
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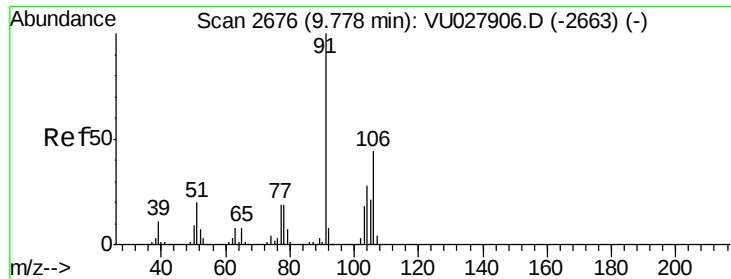
sam
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#68
 m/p-Xylenes
 Concen: 107.07 ug/l
 RT: 9.37 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: VU028350.D
 Acq: 27 Nov 2018 21:01

Tgt Ion: 106 Resp: 515582
 Ion Ratio Lower Upper
 106 100
 91 212.8 168.2 252.4





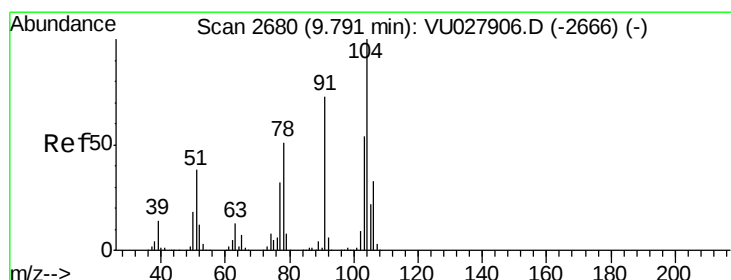
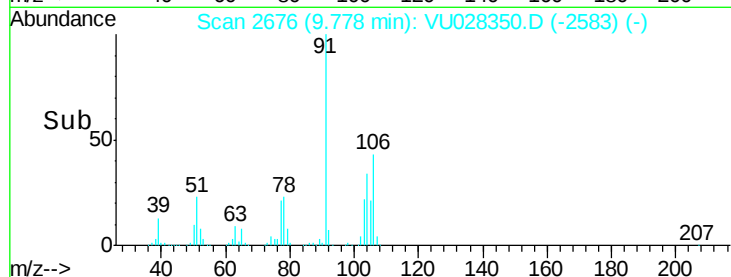
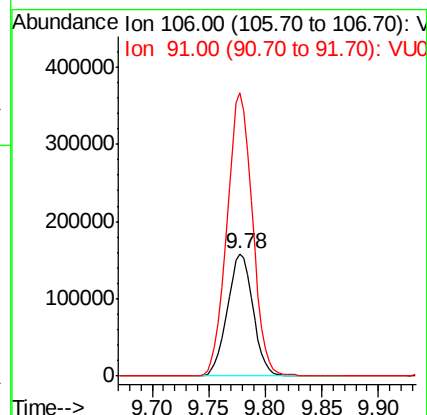
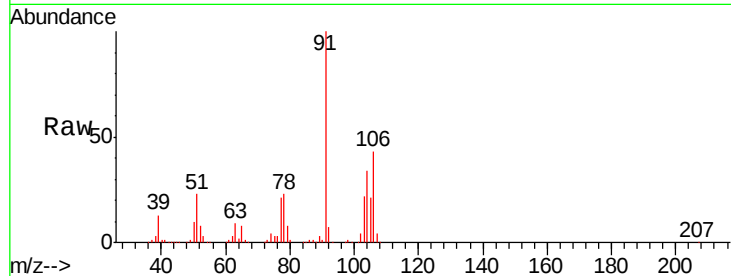
#69
o-Xylene
Concen: 51.45 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028350.D
Acq: 27 Nov 2018 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 250172
Ion Ratio Lower Upper
106 100
91 229.9 111.1 333.4

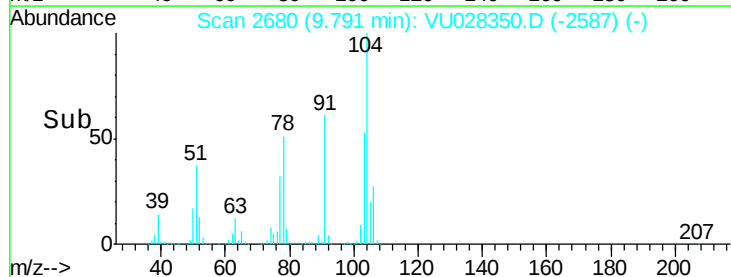
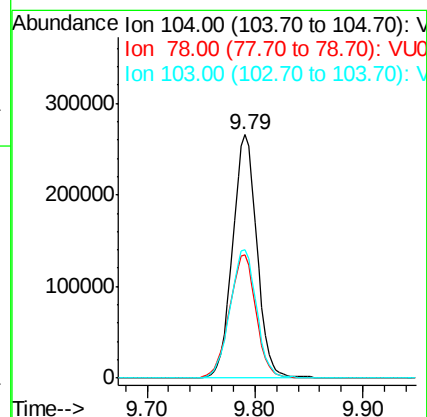
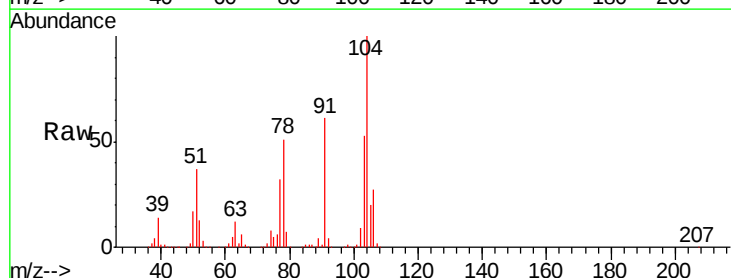
Manual Integrations
APPROVED

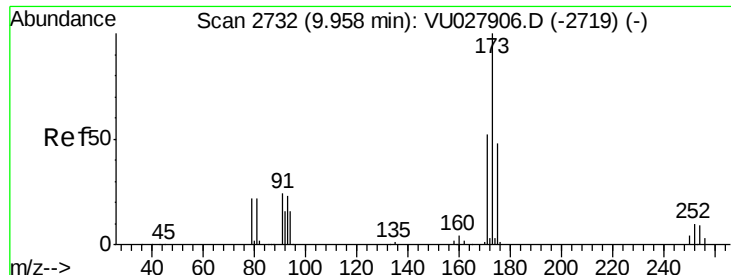
sam
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#70
Styrene
Concen: 54.19 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028350.D
Acq: 27 Nov 2018 21:01

Tgt Ion:104 Resp: 420989
Ion Ratio Lower Upper
104 100
78 55.0 43.0 64.4
103 57.2 45.1 67.7





#71

Bromoform

Concen: 53.03 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion:173 Resp: 109449
Ion Ratio Lower Upper

173 100

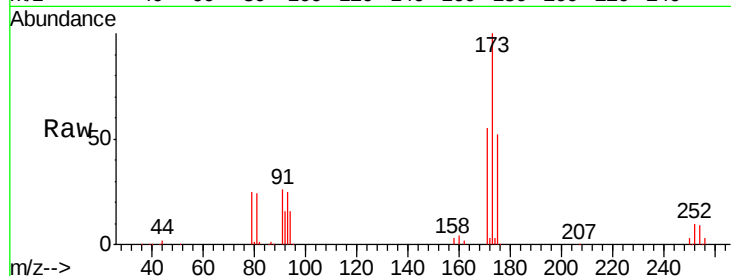
175 49.7 24.3 72.8

254 0.1 0.0 0.0#

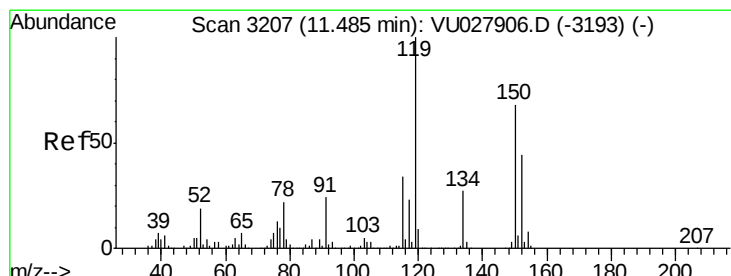
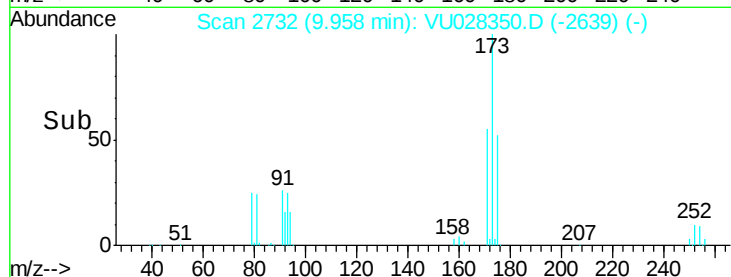
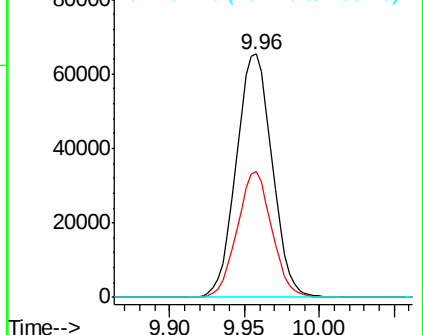
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028350.D

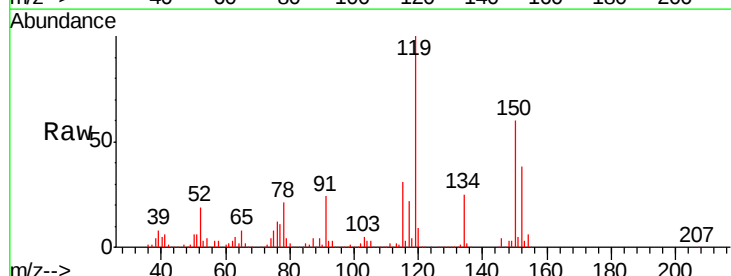
Acq: 27 Nov 2018 21:01

Tgt Ion:152 Resp: 169190
Ion Ratio Lower Upper

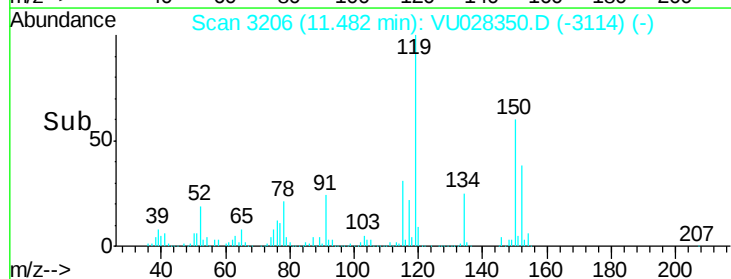
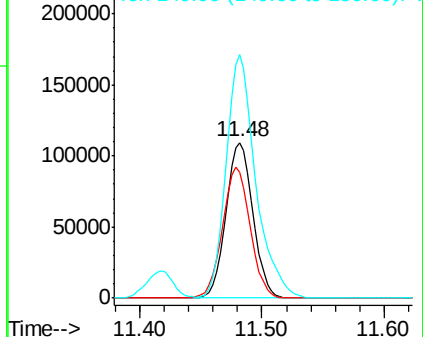
152 100

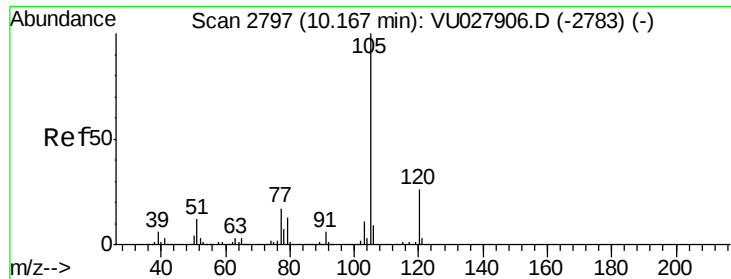
115 86.6 43.0 129.0

150 171.4 0.0 349.4



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: 51.27 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 672007

Ion Ratio Lower Upper

105 100

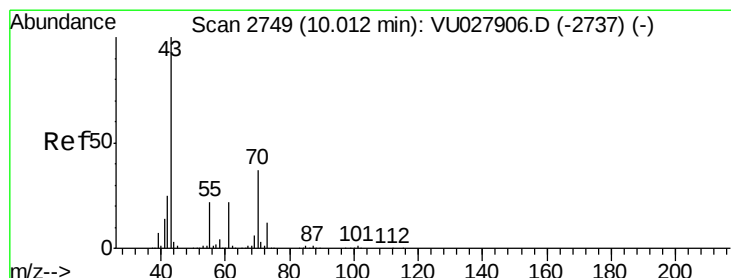
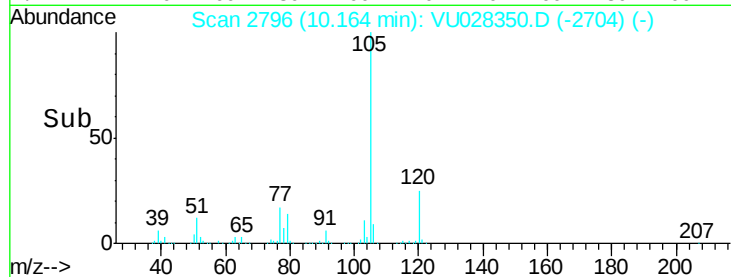
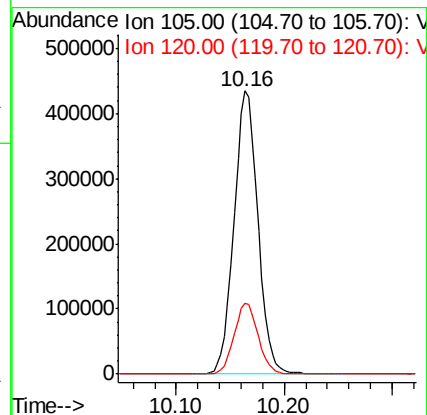
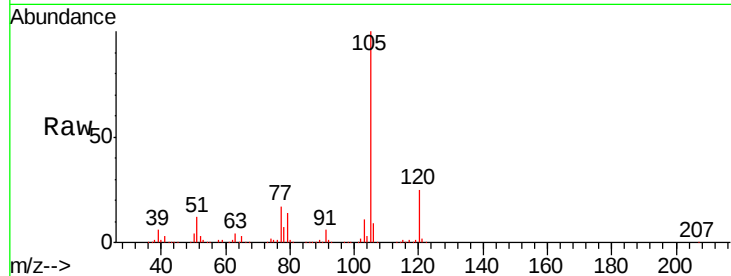
120 25.3 12.7 38.0

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#74

N-ethyl acetate

Concen: 54.33 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Tgt Ion: 43 Resp: 430579

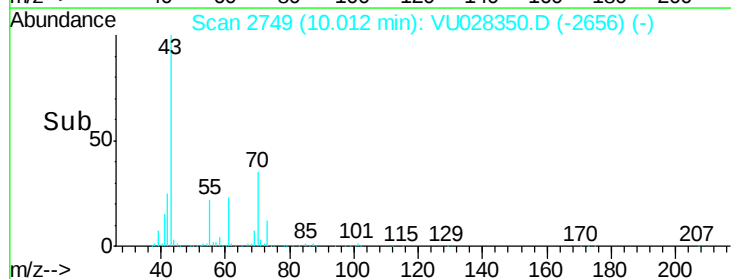
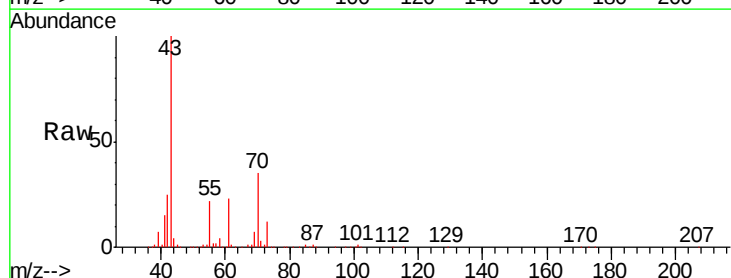
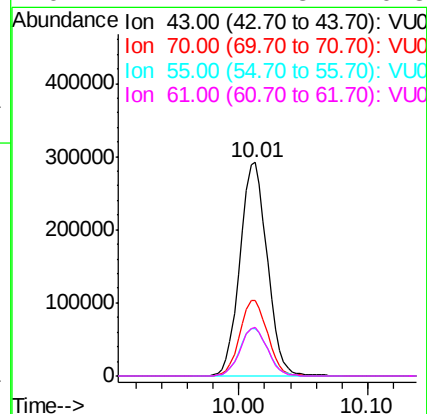
Ion Ratio Lower Upper

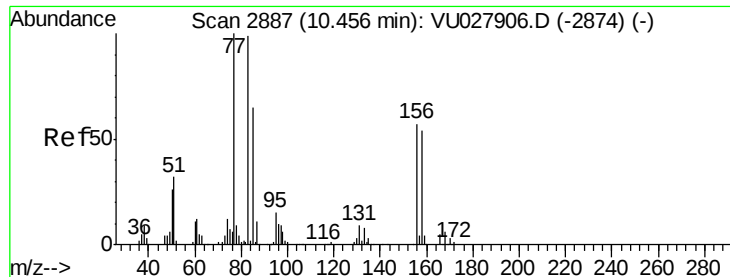
43 100

70 36.0 29.2 43.8

55 22.9 17.8 26.6

61 22.7 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 53.37 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 282158
Ion Ratio Lower Upper

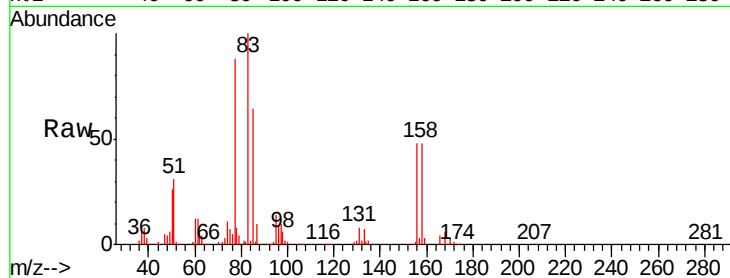
83 100

131 8.0 4.3 13.1

85 64.0 32.4 97.2

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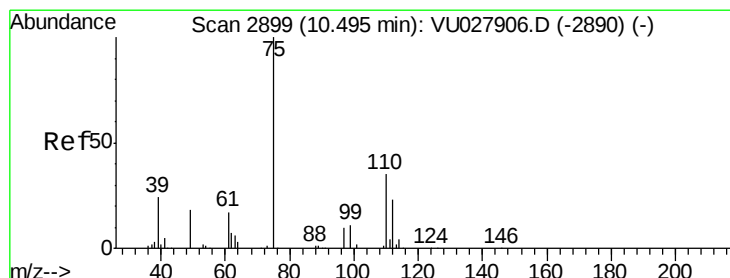
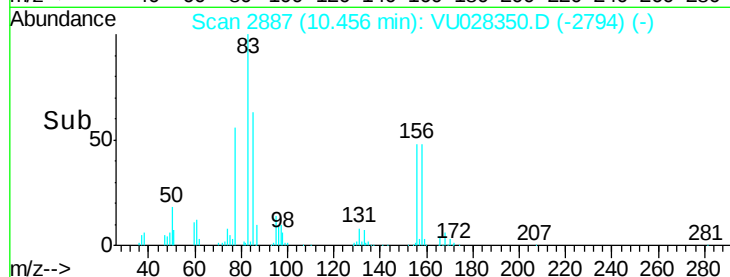
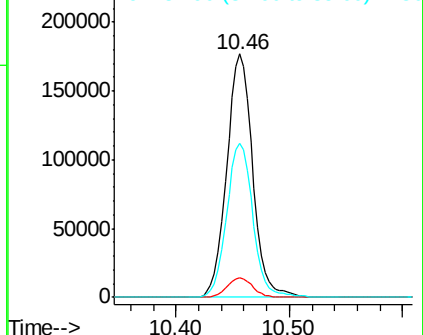
sam
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Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 55.48 ug/l m

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

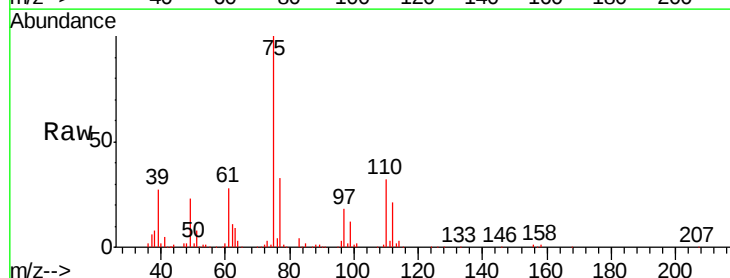
Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Tgt Ion: 75 Resp: 256775
Ion Ratio Lower Upper

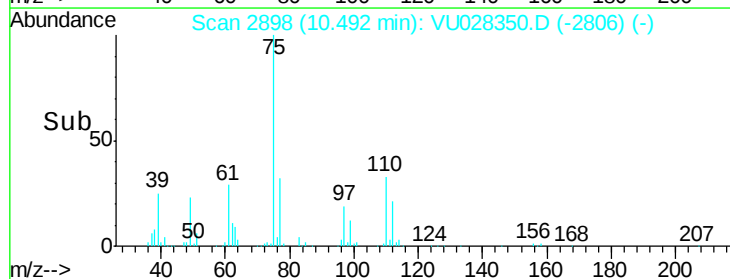
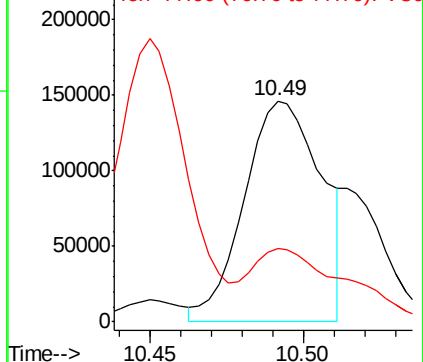
75 100

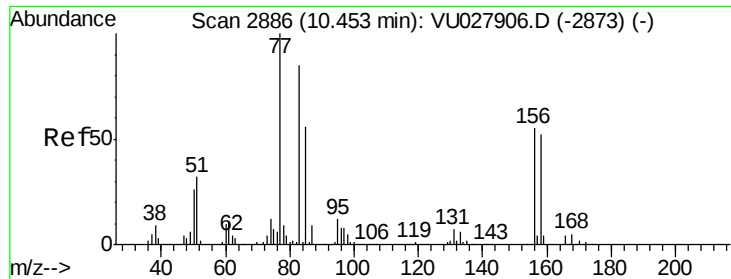
77 40.4 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 51.62 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Instrument :

MSVOA_U

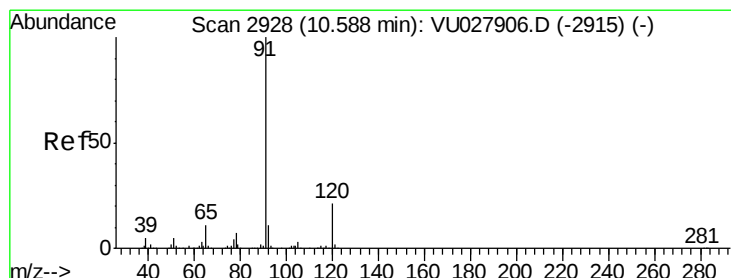
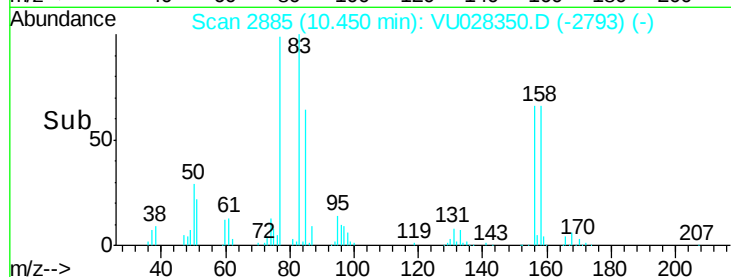
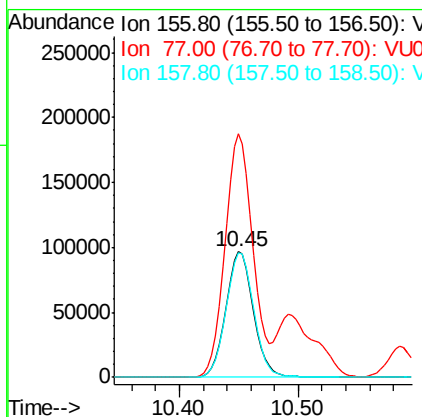
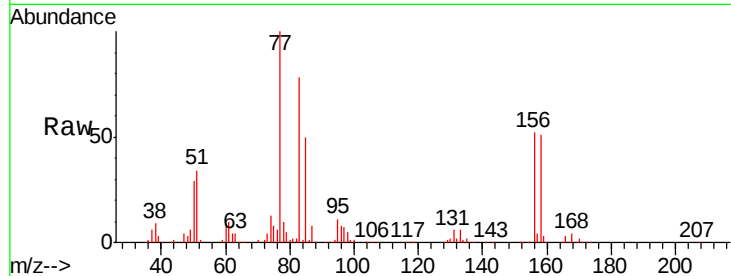
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	156	Resp:	155131
Ion Ratio	Lower	Upper	
156	100		
77	194.2	91.8	275.6
158	99.5	48.4	145.2

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#78

n-propylbenzene

Concen: 53.32 ug/l

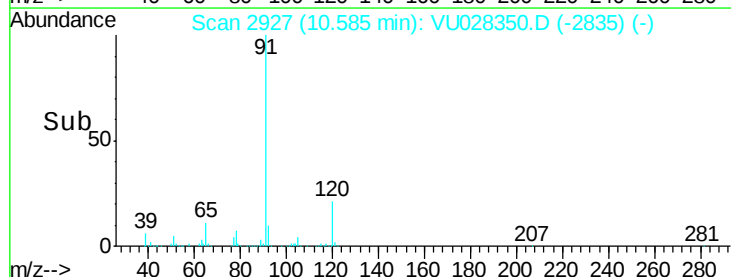
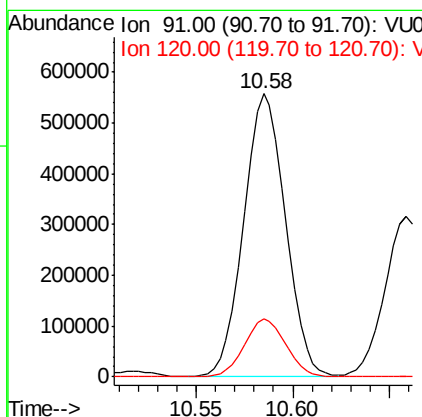
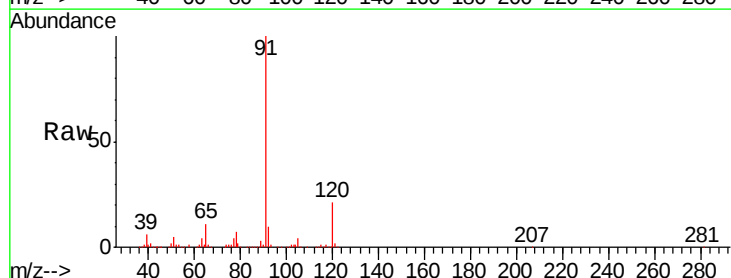
RT: 10.58 min Scan# 2927

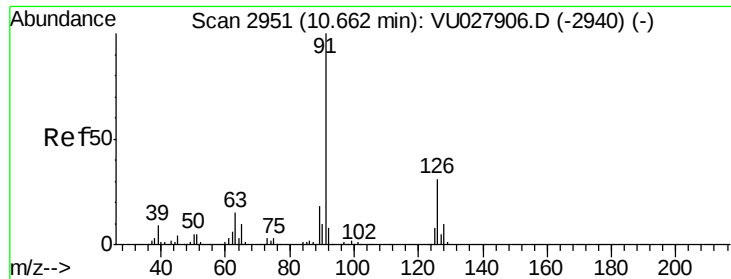
Delta R.T. -0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Tgt Ion:	91	Resp:	836494
Ion Ratio	Lower	Upper	
91	100		
120	20.5	10.6	31.8





#79

2-Chlorotoluene

Concen: 52.07 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 489675

Ion Ratio Lower Upper

91 100

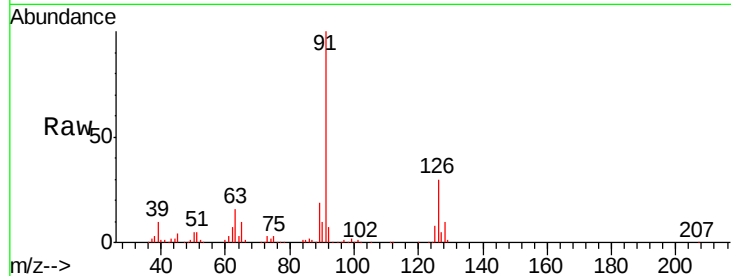
126 30.4 16.0 47.9

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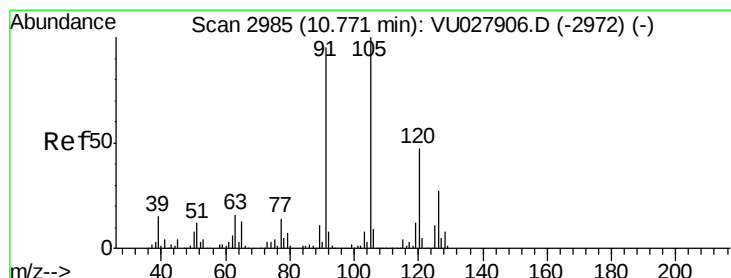
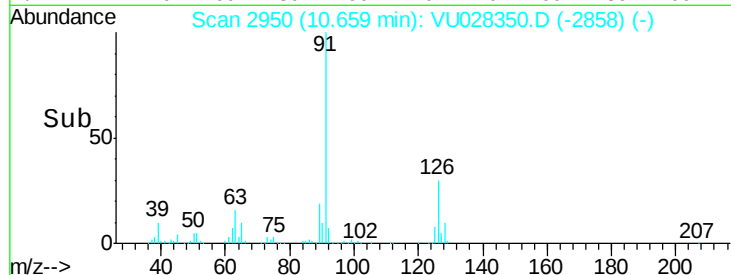
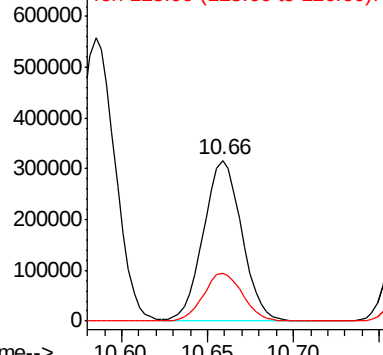
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Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.54 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028350.D

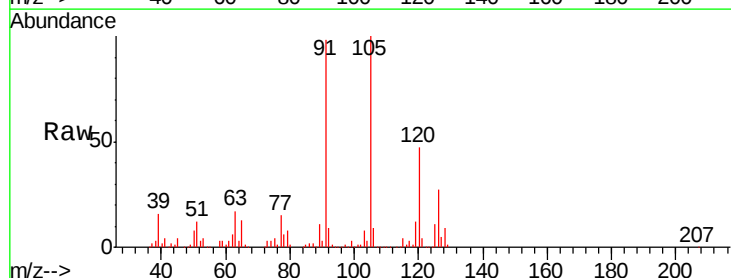
Acq: 27 Nov 2018 21:01

Tgt Ion: 105 Resp: 570465

Ion Ratio Lower Upper

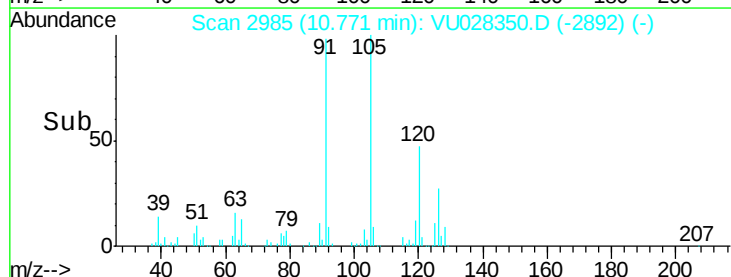
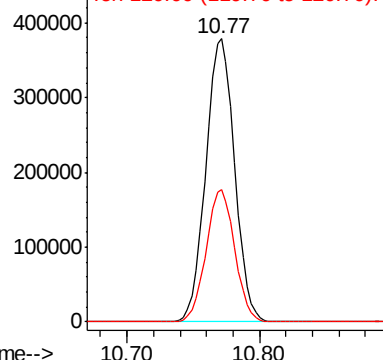
105 100

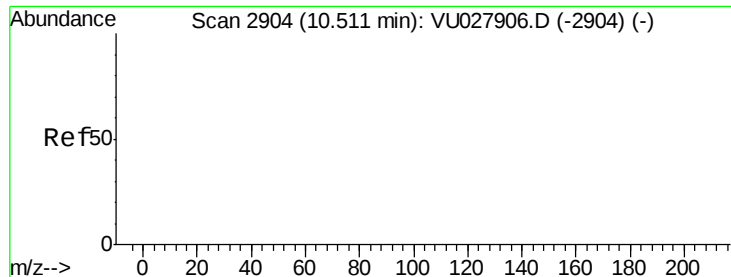
120 46.4 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 46.07 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Instrument :

MSVOA_U

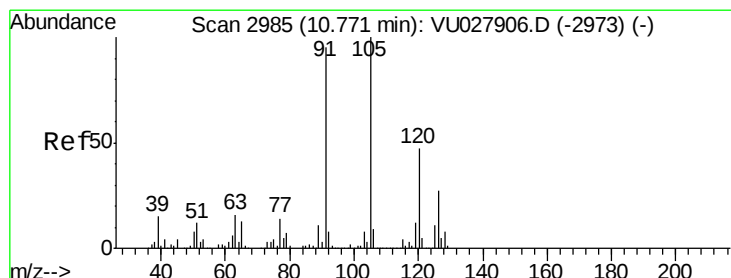
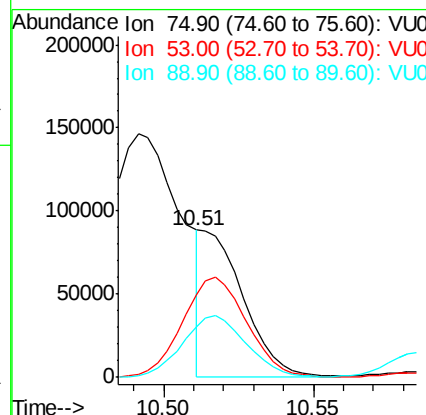
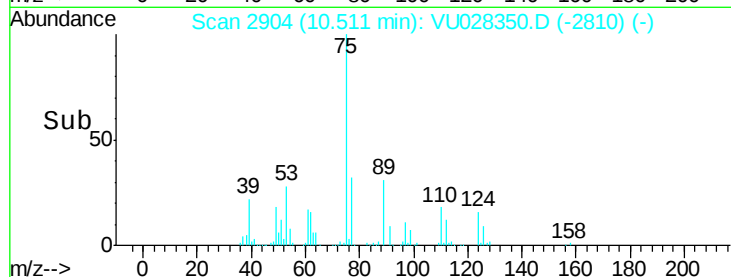
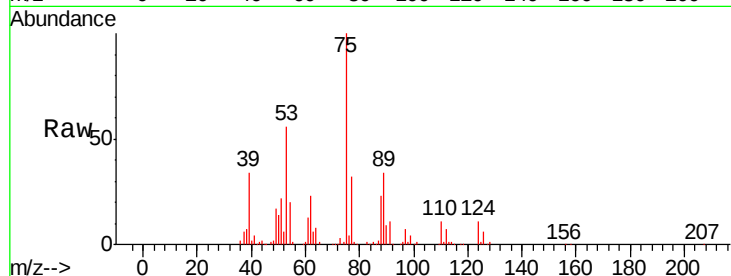
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	75	Resp:	85348
Ion Ratio	Lower	Upper	
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

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#82

4-Chlorotoluene

Concen: 53.30 ug/l

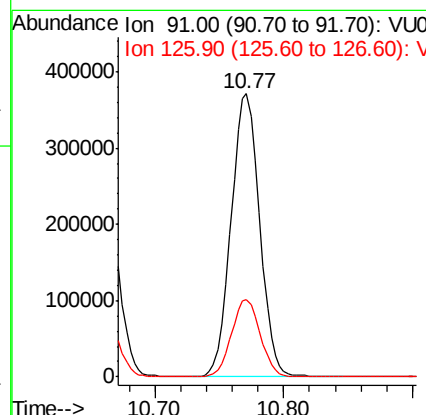
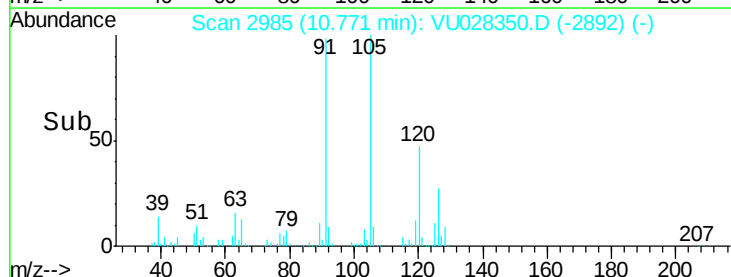
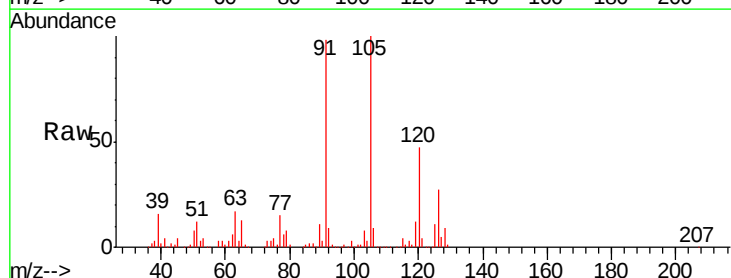
RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Tgt Ion:	91	Resp:	569008
Ion Ratio	Lower	Upper	
91	100		
126	27.5	14.2	42.6





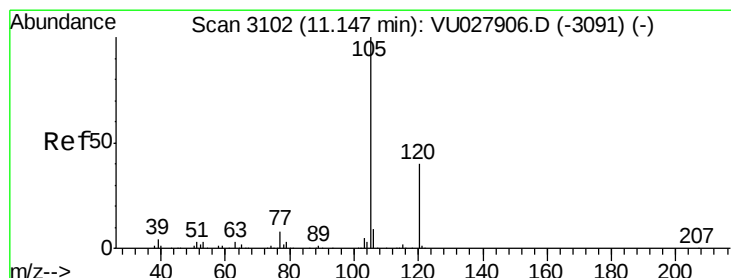
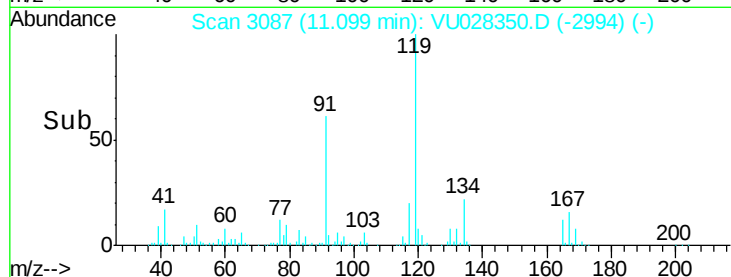
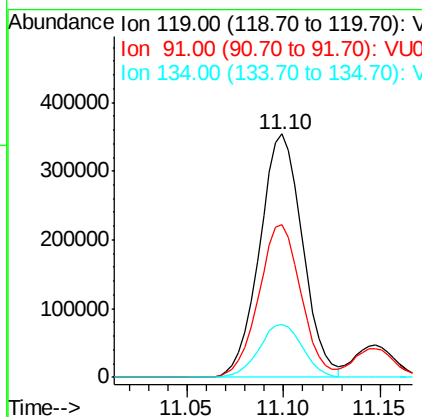
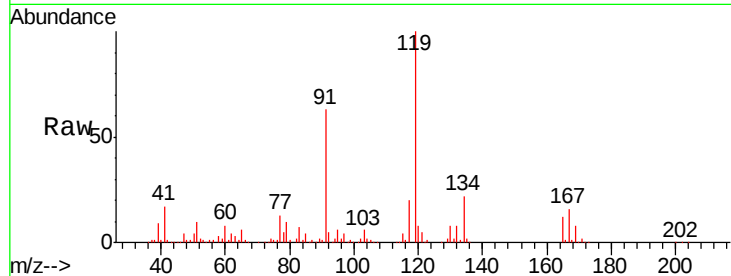
#83
 tert-Butylbenzene
 Concen: 50.23 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU028350.D
 Acq: 27 Nov 2018 21:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
119	100		
91	62.3	29.8	89.3
134	22.0	11.1	33.1

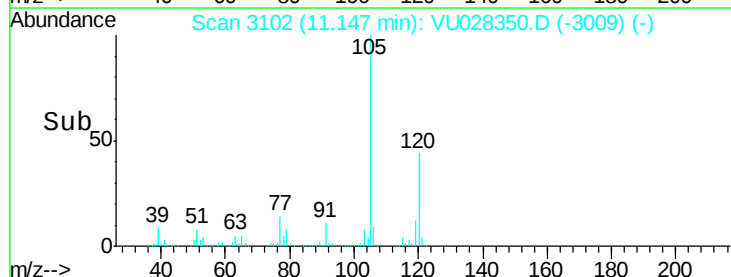
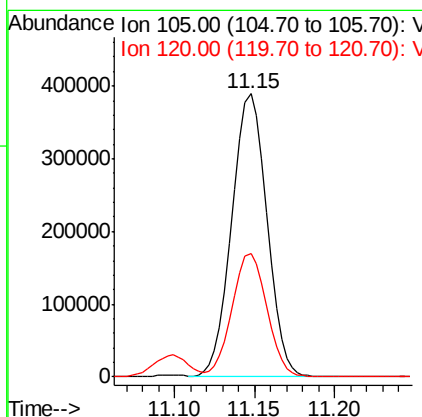
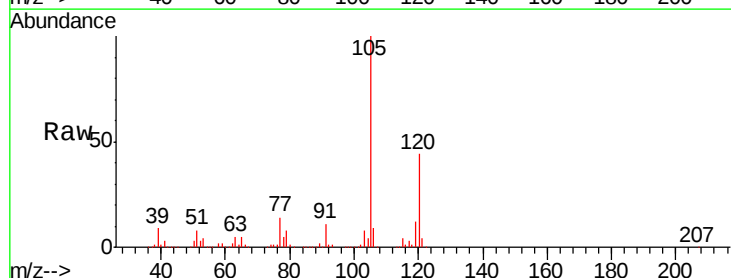
Manual Integrations
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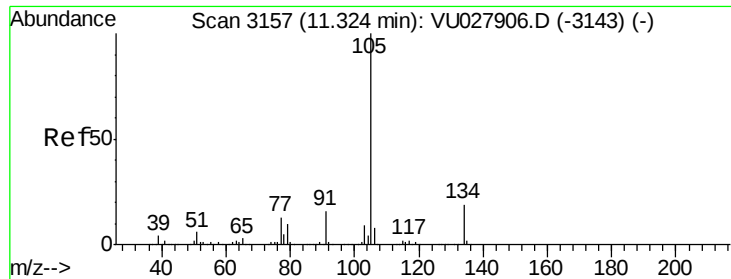
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.18 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028350.D
 Acq: 27 Nov 2018 21:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1





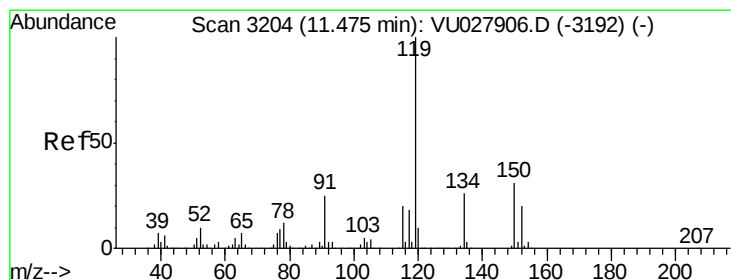
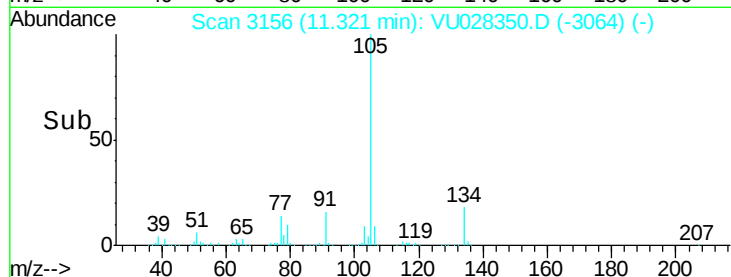
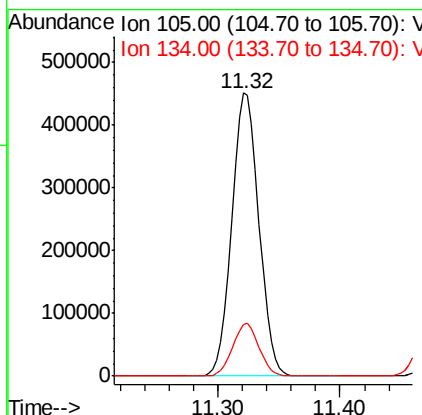
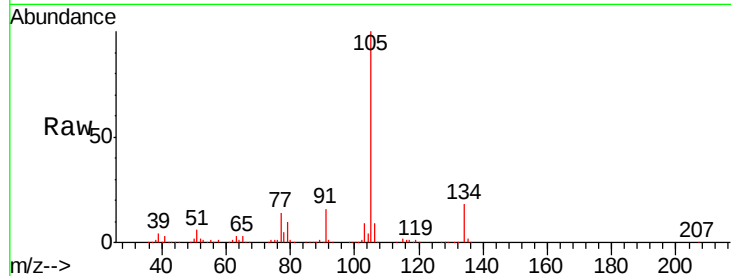
#85
 sec-Butylbenzene
 Concen: 52.70 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028350.D
 Acq: 27 Nov 2018 21:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.3	9.2	27.6

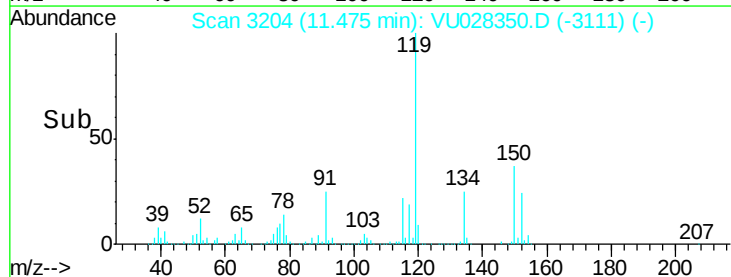
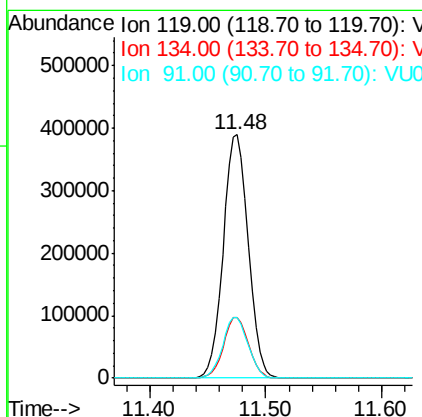
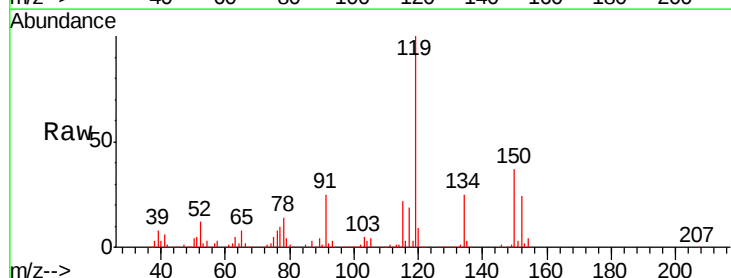
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 52.72 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU028350.D
 Acq: 27 Nov 2018 21:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.9	38.7
91	25.2	12.4	37.2





#87

1,3-Dichlorobenzene

Concen: 51.73 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Instrument :

MSVOA_U

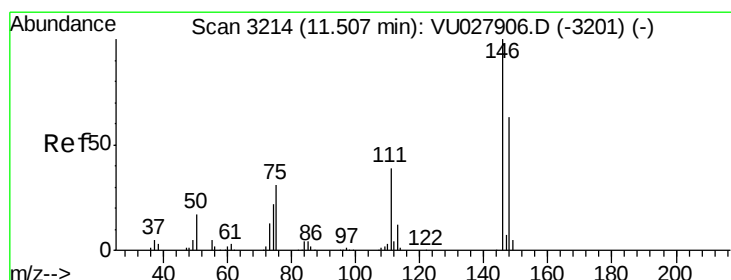
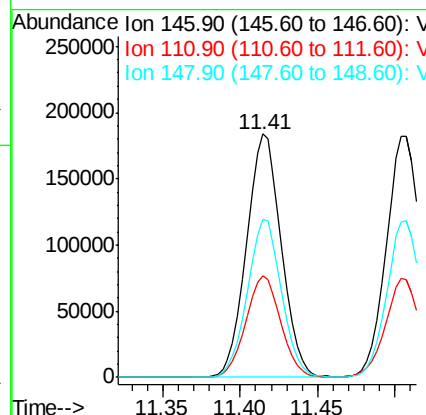
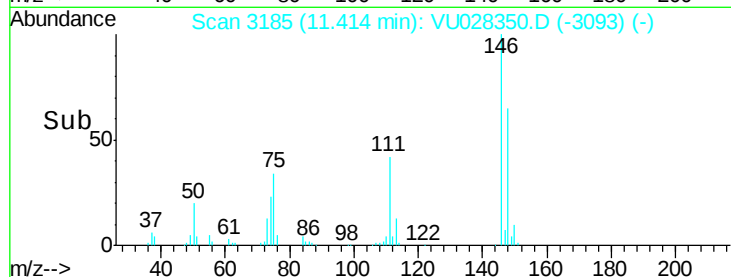
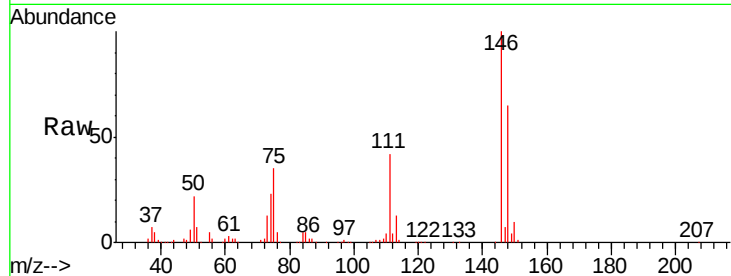
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	146	Resp:	287194
Ion Ratio	Lower	Upper	
146	100		
111	41.9	20.3	61.0
148	63.7	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 49.82 ug/l

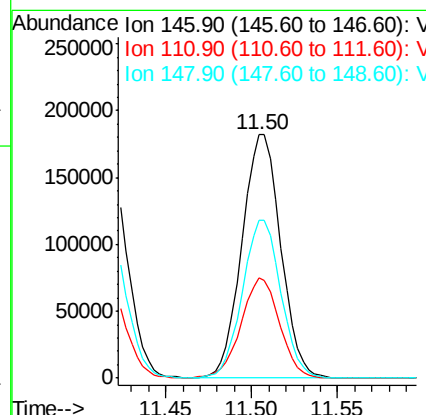
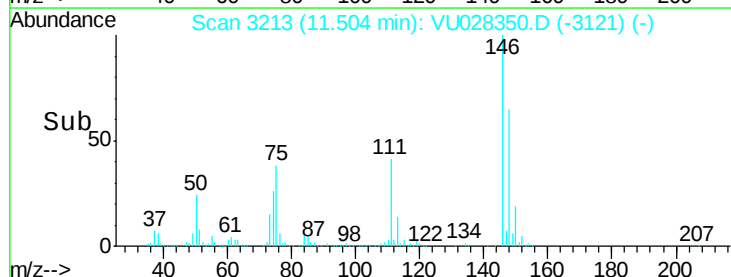
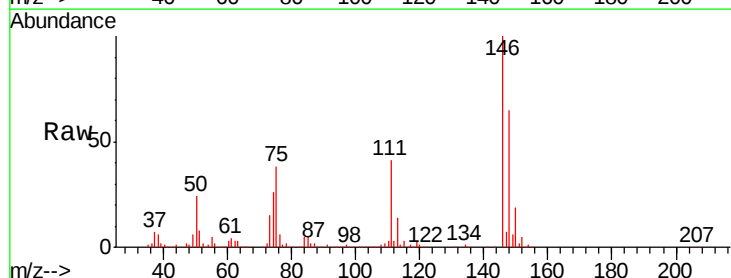
RT: 11.50 min Scan# 3213

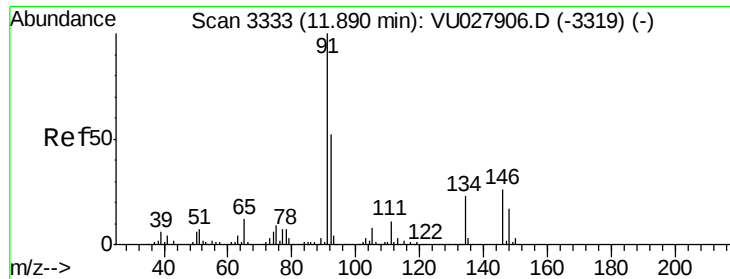
Delta R.T. -0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Tgt Ion:	146	Resp:	283479
Ion Ratio	Lower	Upper	
146	100		
111	41.2	20.3	60.9
148	64.5	32.0	96.2





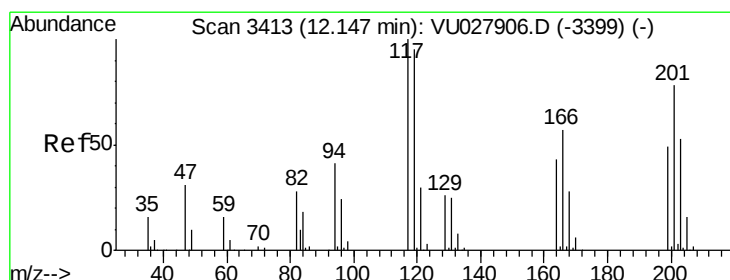
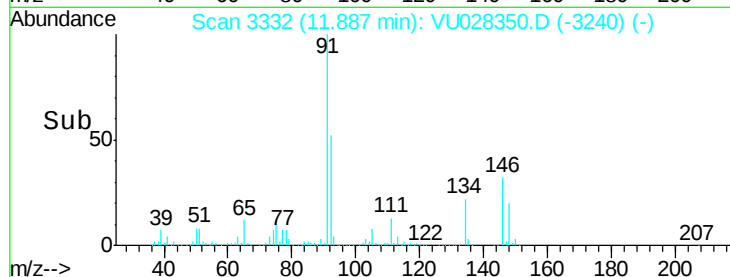
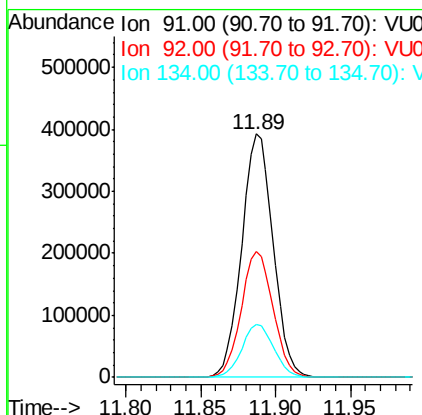
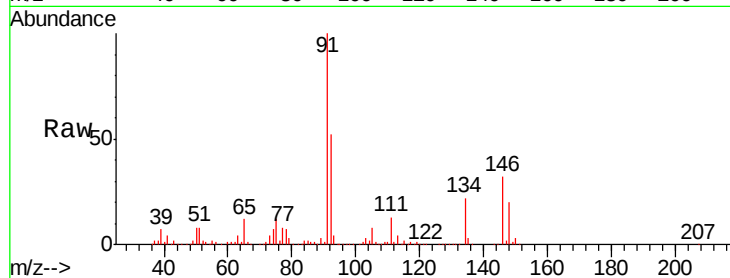
#89
n-Butylbenzene
Concen: 54.65 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028350.D
Acq: 27 Nov 2018 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.5
134	22.2	11.5	34.5

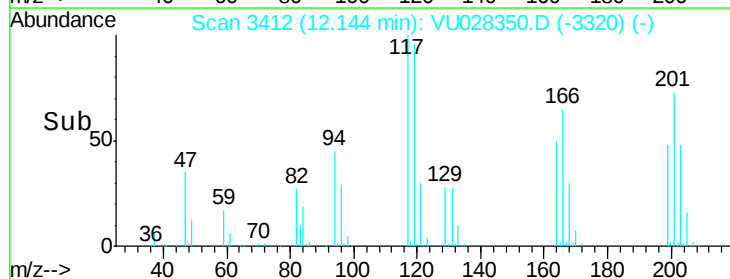
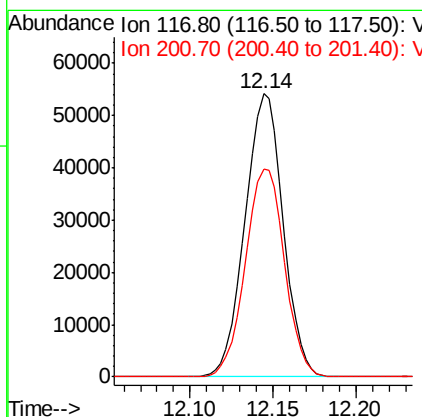
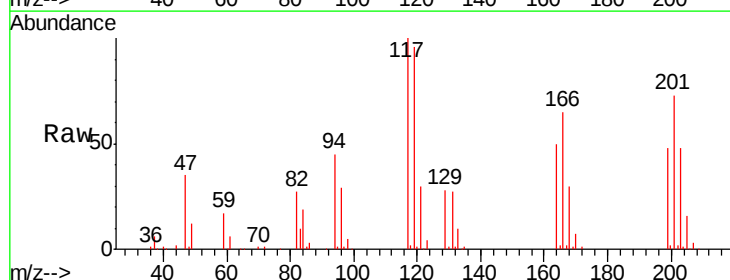
Manual Integrations
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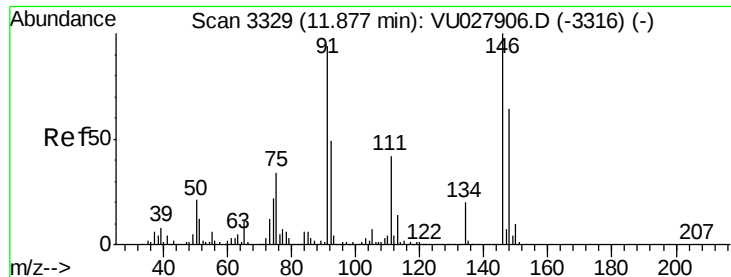
sam
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#90
Hexachloroethane
Concen: 44.11 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028350.D
Acq: 27 Nov 2018 21:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.4	38.5	115.5





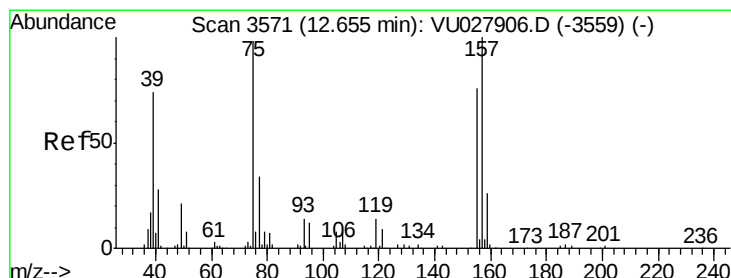
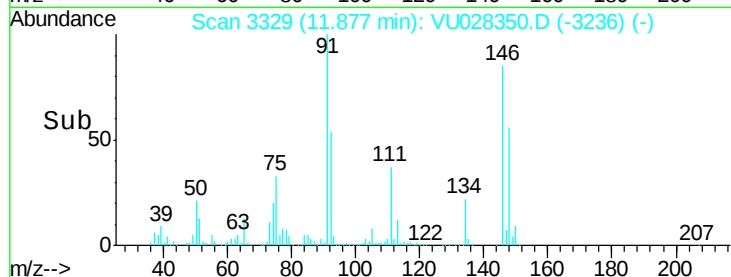
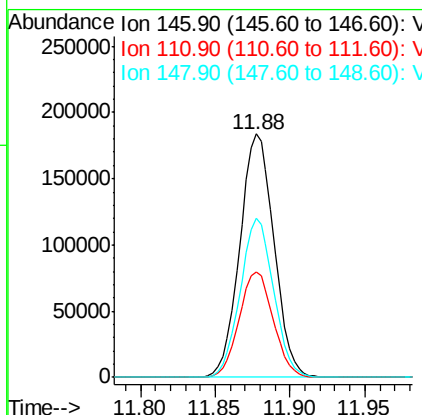
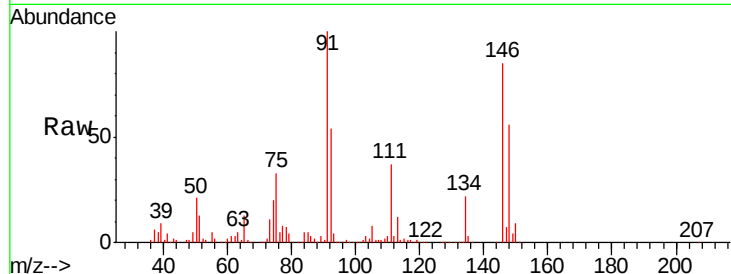
#91
 1,2-Dichlorobenzene
 Concen: 52.39 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028350.D
 Acq: 27 Nov 2018 21:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.3	64.0
148	63.7	31.8	95.3

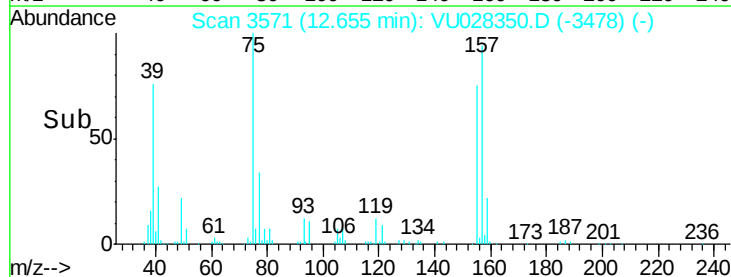
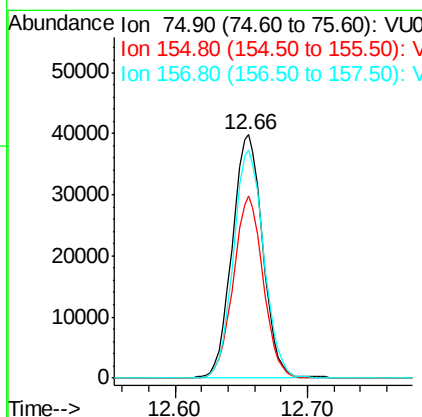
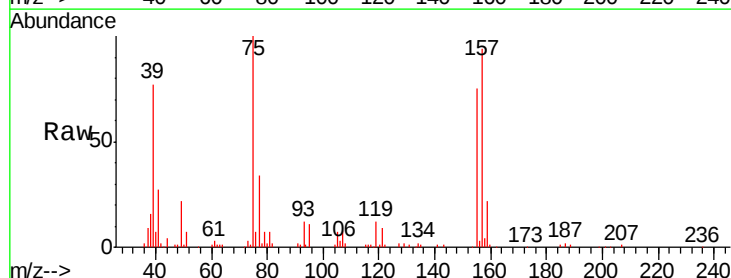
Manual Integrations
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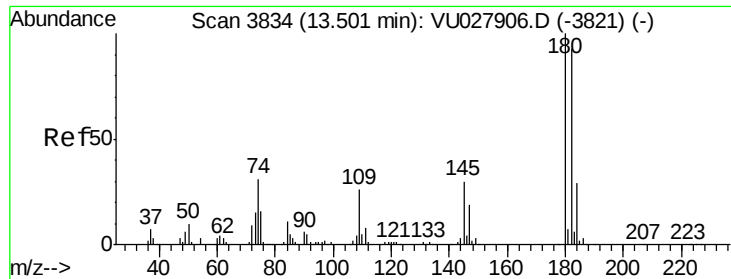
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.12 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028350.D
 Acq: 27 Nov 2018 21:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.8	39.8	119.3
157	93.2	50.6	151.9





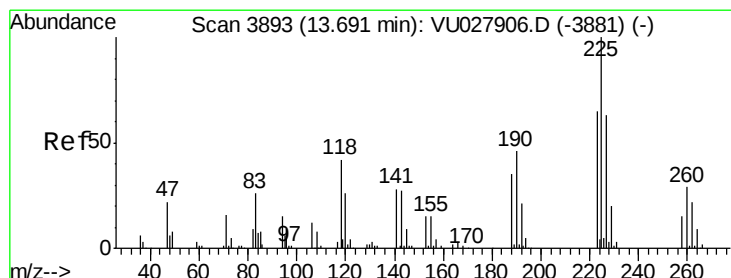
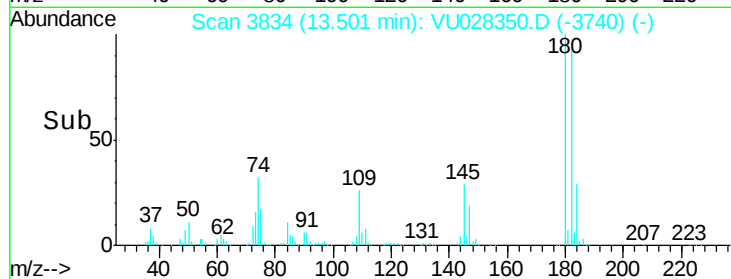
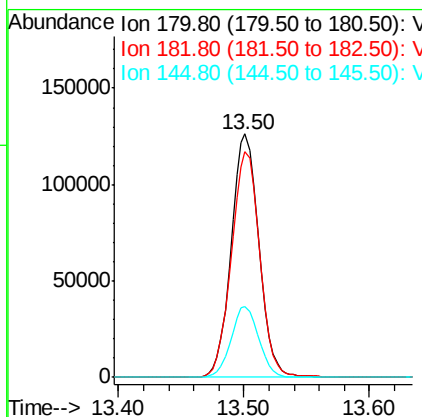
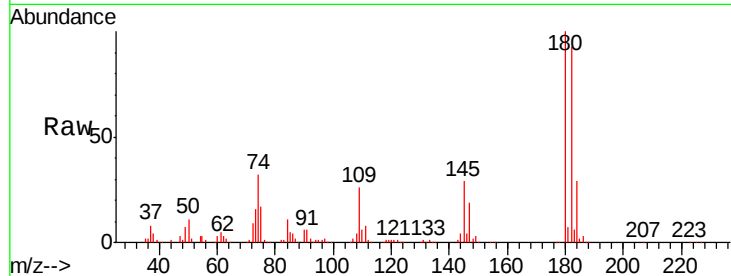
#93
 1,2,4-Trichlorobenzene
 Concen: 49.44 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028350.D
 Acq: 27 Nov 2018 21:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	193538		
182	94.3	48.4	145.2	
145	29.2	14.9	44.5	

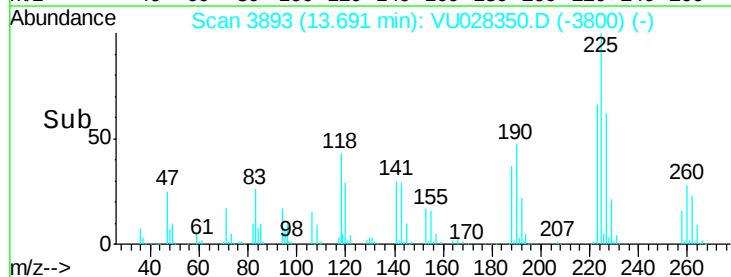
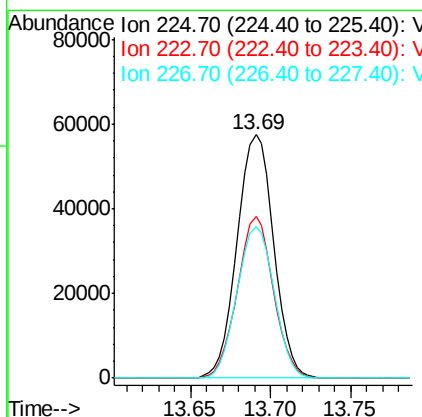
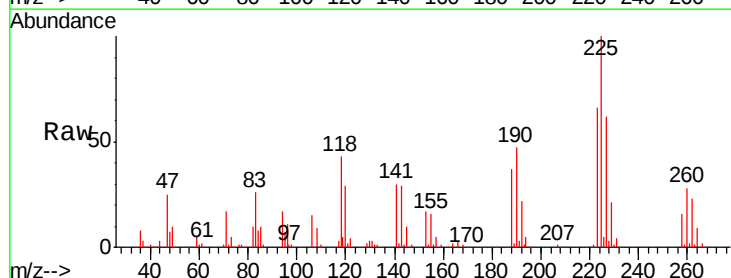
Manual Integrations
 APPROVED

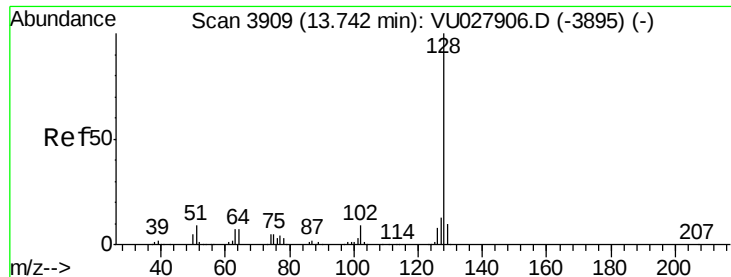
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#94
 Hexachlorobutadiene
 Concen: 50.42 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028350.D
 Acq: 27 Nov 2018 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	89466		
223	65.1	32.2	96.6	
227	63.1	32.5	97.4	





#95

Naphthalene

Concen: 51.22 ug/l

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Instrument :

MSVOA_U

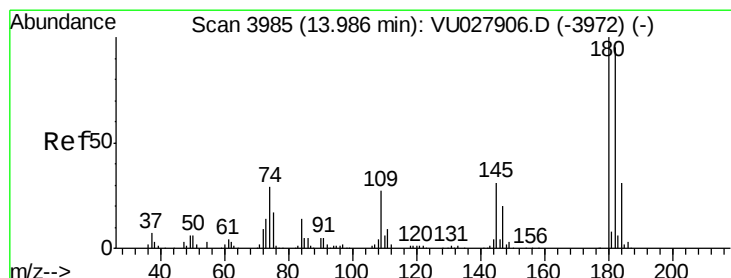
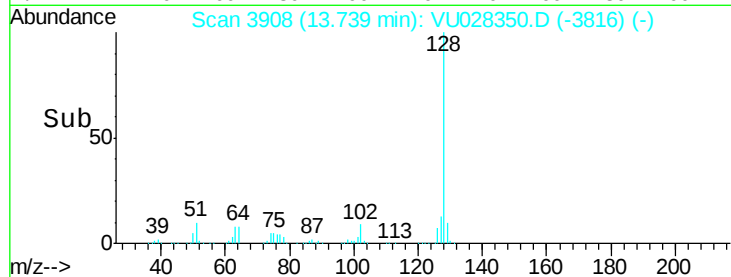
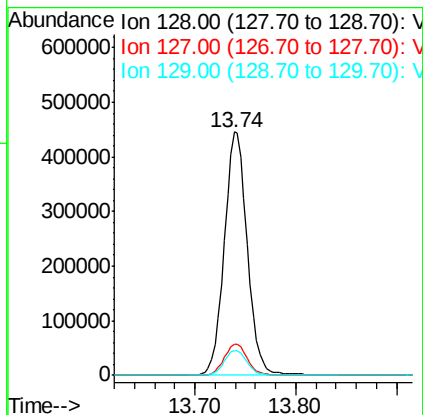
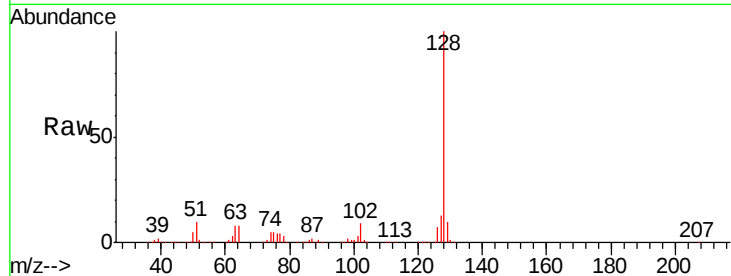
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	128	Resp:	710814
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.4	8.3	12.5

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 52.98 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028350.D

Acq: 27 Nov 2018 21:01

Tgt Ion:	180	Resp:	198506
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.4	142.3
145	32.4	16.0	47.9

