

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024798.D
 Acq On : 21 Jun 2018 08:30
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 6/21/2018 1:45:17 PM

Quant Time: Jun 21 09:58:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	172074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	269669	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	260101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	163357	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	127200	45.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.56%	
35) Dibromofluoromethane	4.89	113	102118	45.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.26%	
50) Toluene-d8	7.57	98	365940	44.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.66%	
62) 4-Bromofluorobenzene	10.31	95	147185	45.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	93069	43.21	ug/l	97
3) Chloromethane	1.33	50	100481	45.66	ug/l	99
4) Vinyl Chloride	1.40	62	106244	46.82	ug/l	99
5) Bromomethane	1.62	94	70396	64.17	ug/l	97
6) Chloroethane	1.70	64	69634	55.02	ug/l	100
7) Trichlorofluoromethane	1.89	101	176541	50.98	ug/l	100
8) Diethyl Ether	2.10	74	67315	57.39	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.29	101	95907	44.64	ug/l	96
10) Methyl Iodide	2.41	142	95796	52.40	ug/l	100
11) Tert butyl alcohol	2.82	59	152498	223.21	ug/l	100
12) 1,1-Dichloroethene	2.28	96	94045	48.00	ug/l	93
13) Acrolein	2.19	56	78176	217.90	ug/l	97
14) Allyl chloride	2.59	41	155609	42.77	ug/l	98
15) Acrylonitrile	2.94	53	330877	248.92	ug/l	98
16) Acetone	2.32	43	292043	193.49	ug/l	100
17) Carbon Disulfide	2.48	76	280854	44.77	ug/l	100
18) Methyl Acetate	2.62	43	176344	54.50	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	367344	49.88	ug/l	98
20) Methylene Chloride	2.70	84	114240	48.24	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	104801	48.56	ug/l	97
22) Diisopropyl ether	3.57	45	359592	49.86	ug/l	95
23) Vinyl Acetate	3.53	43	1536067	237.78	ug/l	99
24) 1,1-Dichloroethane	3.45	63	205326	49.49	ug/l	99
25) 2-Butanone	4.26	43	478375	235.96	ug/l	97
26) 2,2-Dichloropropane	4.23	77	122630	31.13	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	124551	50.20	ug/l	95
28) Bromochloromethane	4.55	49	83794	45.86	ug/l	88
29) Tetrahydrofuran	4.63	42	310640	247.42	ug/l	96
30) Chloroform	4.68	83	215581	51.34	ug/l	99
31) Cyclohexane	5.00	56	190608	51.81	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	195821	50.43	ug/l	97
36) 1,1-Dichloropropene	5.14	75	156059	49.25	ug/l	98
37) Ethyl Acetate	4.38	43	184612	53.45	ug/l	98
38) Carbon Tetrachloride	5.14	117	177006	50.80	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	190517	48.18	ug/l	95
40) Benzene	5.39	78	455055	50.40	ug/l	100
41) Methacrylonitrile	4.54	41	101547	54.53	ug/l	99
42) 1,2-Dichloroethane	5.41	62	180249	52.41	ug/l	100
43) Isopropyl Acetate	5.55	43	292495	48.99	ug/l	99
44) Trichloroethene	6.19	130	128562	50.03	ug/l	96
45) 1,2-Dichloropropane	6.44	63	123586	51.30	ug/l	99
46) Dibromomethane	6.56	93	88785	52.46	ug/l	95
47) Bromodichloromethane	6.76	83	170768	50.68	ug/l	99
48) Methyl methacrylate	6.62	41	149335	51.37	ug/l	98
49) 1,4-Dioxane	6.62	88	68449	1204.01	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	944640	251.86	ug/l	99
52) Toluene	7.64	92	296813	51.09	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	177822	46.99	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	185814	46.08	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	123369	52.24	ug/l	95
56) Ethyl methacrylate	8.02	69	195265	49.41	ug/l	99
57) 1,3-Dichloropropane	8.25	76	210180	52.76	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	337701	223.03	ug/l	96
59) 2-Hexanone	8.36	43	752465	245.74	ug/l	100
60) Dibromochloromethane	8.48	129	142973	48.55	ug/l	100
61) 1,2-Dibromoethane	8.59	107	135479	51.55	ug/l	99
64) Tetrachloroethene	8.23	164	129941	52.56	ug/l	97
65) Chlorobenzene	9.12	112	341866	51.45	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	127432	50.48	ug/l	98
67) Ethyl Benzene	9.25	91	585624	50.27	ug/l	96
68) m/p-Xylenes	9.38	106	458822	102.58	ug/l	98
69) o-Xylene	9.78	106	228408	51.60	ug/l	96
70) Styrene	9.80	104	369657	50.81	ug/l	99
71) Bromoform	9.96	173	115299	48.05	ug/l #	98
73) Isopropylbenzene	10.17	105	610487	48.68	ug/l	99
74) N-amyl acetate	10.01	43	272601	45.70	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	205537	48.90	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	172593m	47.99	ug/l	
77) Bromobenzene	10.45	156	156725	49.36	ug/l	94
78) n-propylbenzene	10.59	91	701847	47.50	ug/l	97
79) 2-Chlorotoluene	10.66	91	417590	47.93	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	534731	49.19	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	58313m	37.53	ug/l	
82) 4-Chlorotoluene	10.78	91	487300	48.05	ug/l	99
83) tert-Butylbenzene	11.10	119	519151	49.65	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	547449	49.42	ug/l	100
85) sec-Butylbenzene	11.33	105	634445	48.47	ug/l	98
86) p-Isopropyltoluene	11.48	119	572713	48.85	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	288625	49.20	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	292931	49.61	ug/l	99
89) n-Butylbenzene	11.89	91	472508	45.40	ug/l	97
90) Hexachloroethane	12.15	117	101048	44.19	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	300620	51.16	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	58232	50.21	ug/l	93

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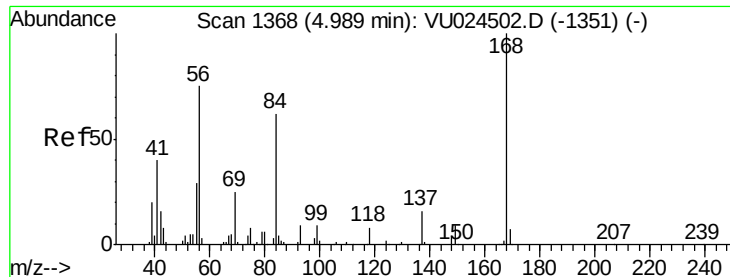
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	208347	57.42	ug/l	99
94) Hexachlorobutadiene	13.70	225	102200	50.04	ug/l	99
95) Naphthalene	13.74	128	693809	57.66	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	217813	60.25	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 172074

Ion Ratio Lower Upper

168 100

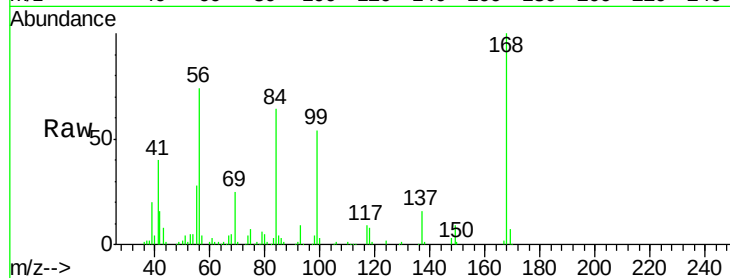
99 54.0 43.2 64.8

Manual Integrations

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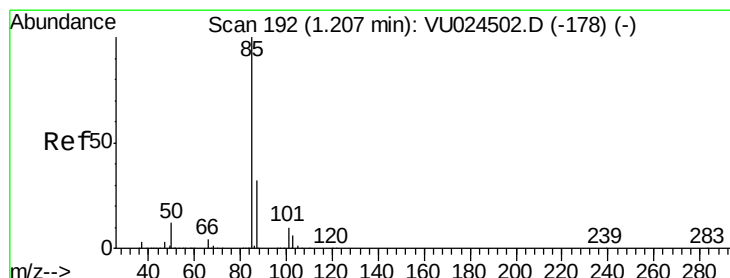
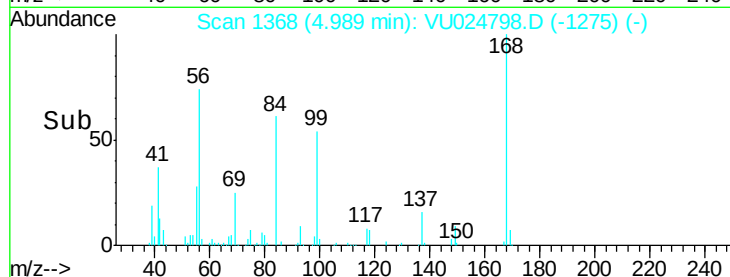
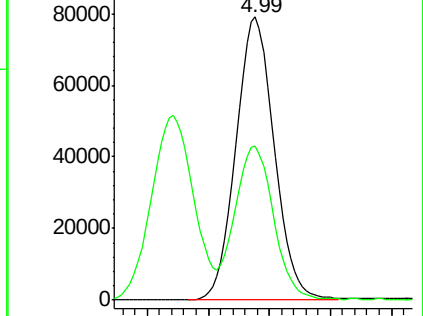
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Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#2

Dichlorodifluoromethane

Concen: 43.21 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024798.D

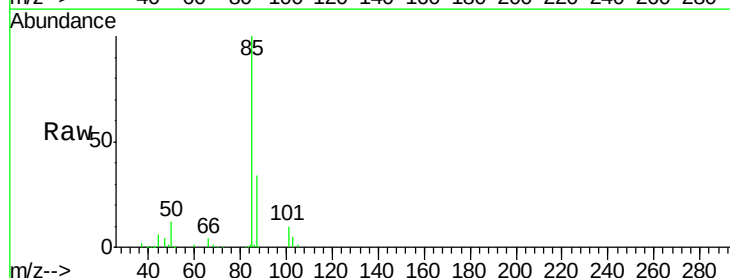
Acq: 21 Jun 2018 08:30

Tgt Ion: 85 Resp: 93069

Ion Ratio Lower Upper

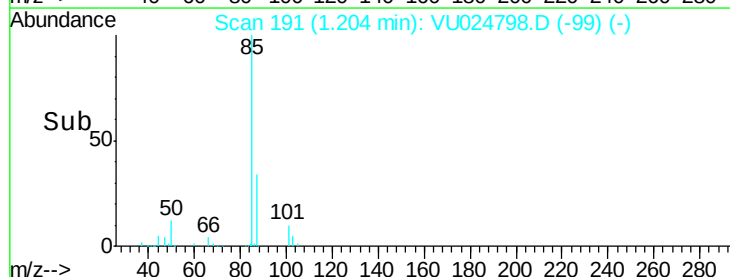
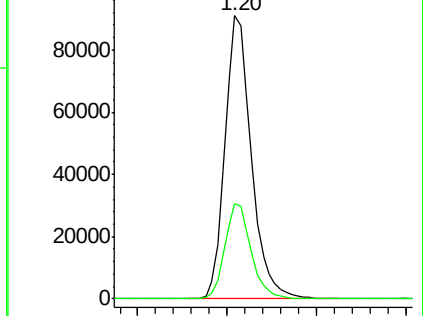
85 100

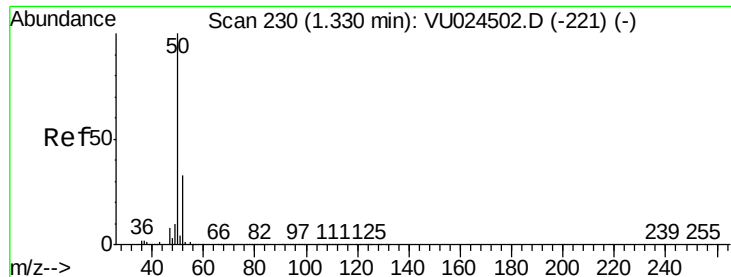
87 33.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)





#3

Chloromethane

Concen: 45.66 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 100481

Ion Ratio Lower Upper

50 100

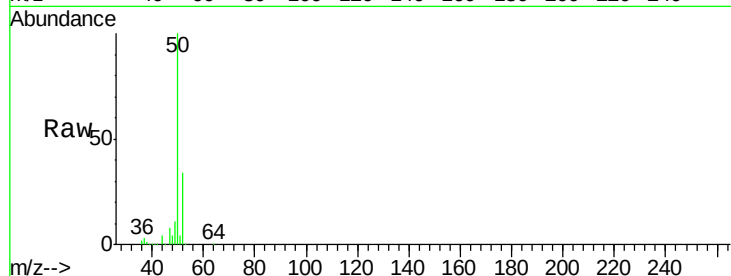
52 33.7 26.4 39.6

Manual Integrations

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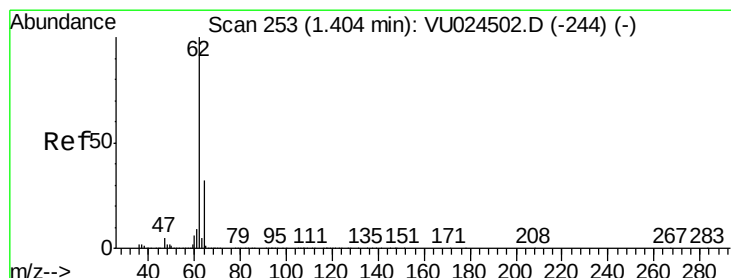
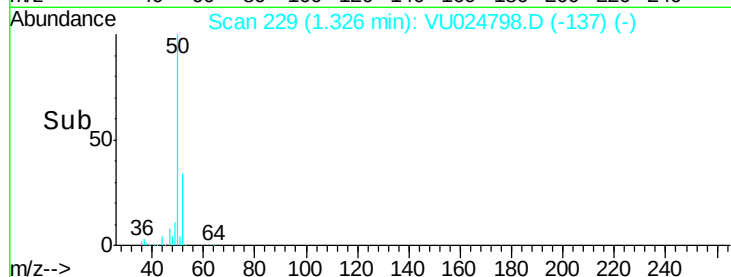
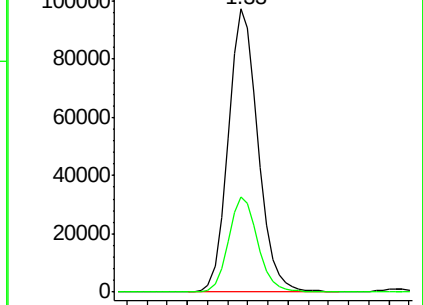
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 46.82 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024798.D

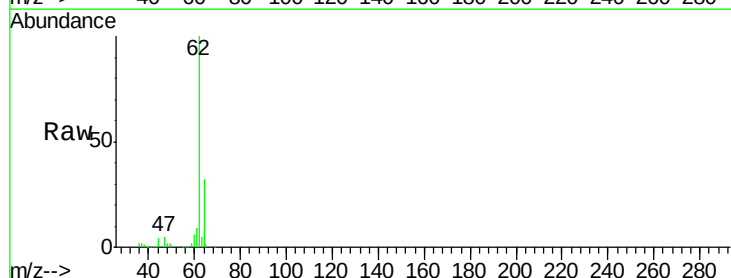
Acq: 21 Jun 2018 08:30

Tgt Ion: 62 Resp: 106244

Ion Ratio Lower Upper

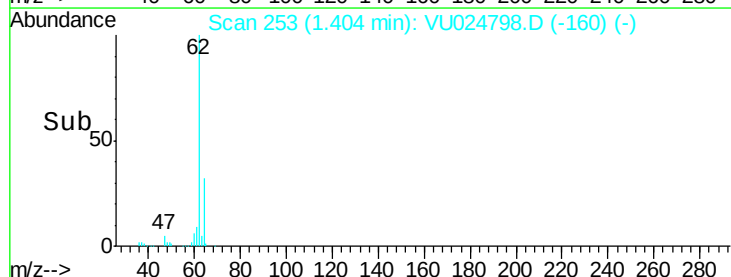
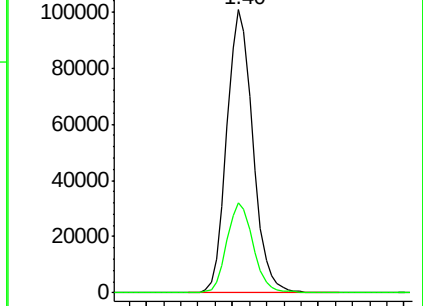
62 100

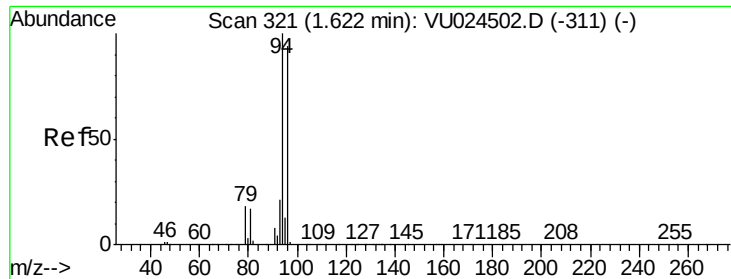
64 31.6 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 64.17 ug/l

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 70396

Ion Ratio Lower Upper

94 100

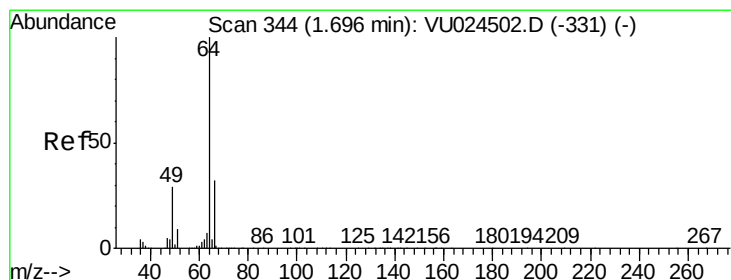
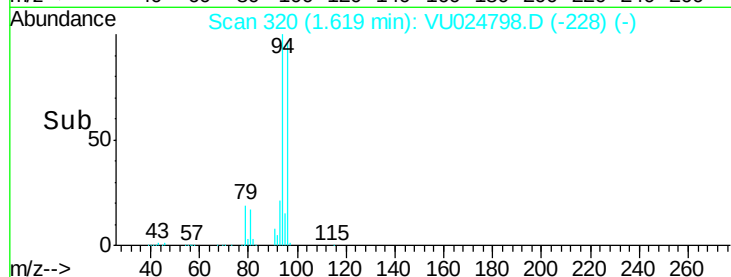
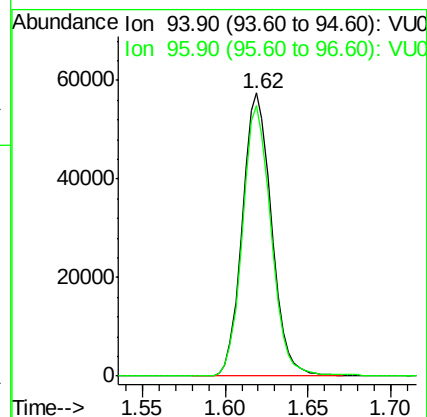
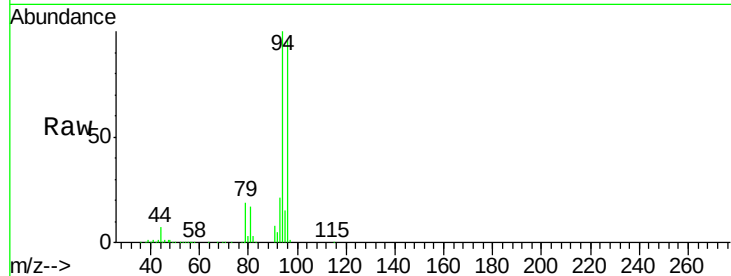
96 95.5 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 55.02 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024798.D

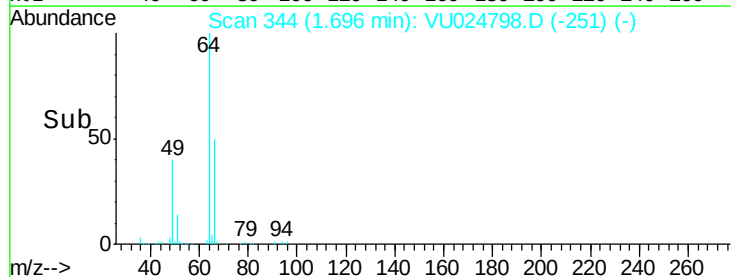
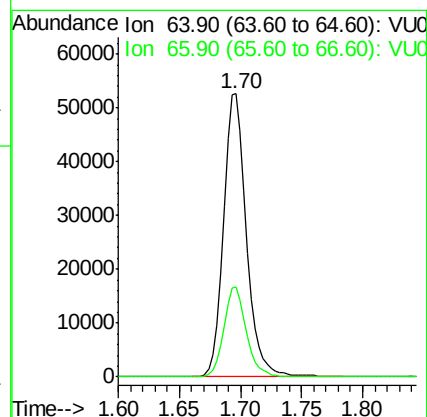
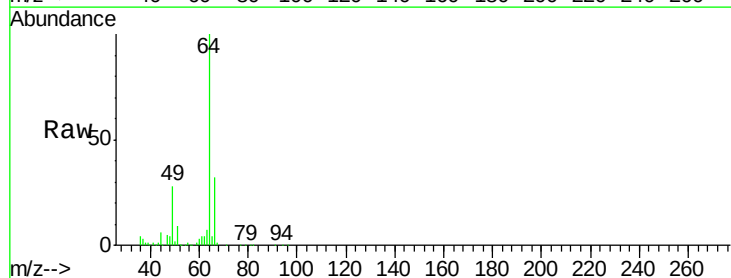
Acq: 21 Jun 2018 08:30

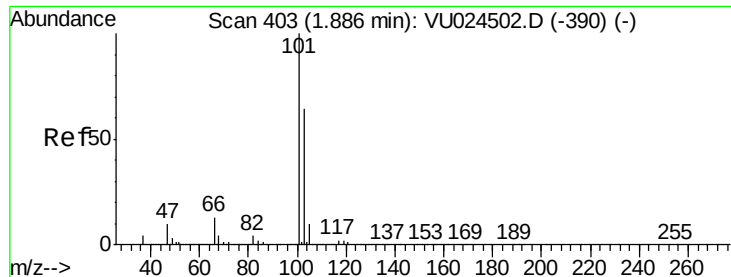
Tgt Ion: 64 Resp: 69634

Ion Ratio Lower Upper

64 100

66 32.0 25.5 38.3





#7

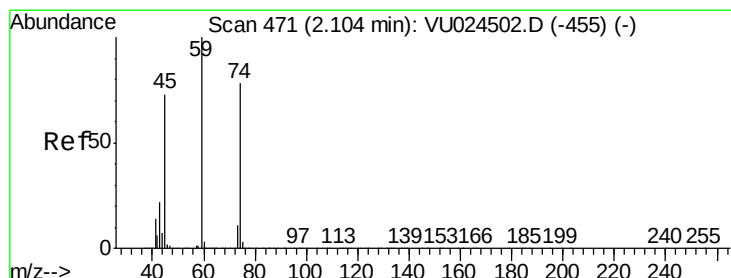
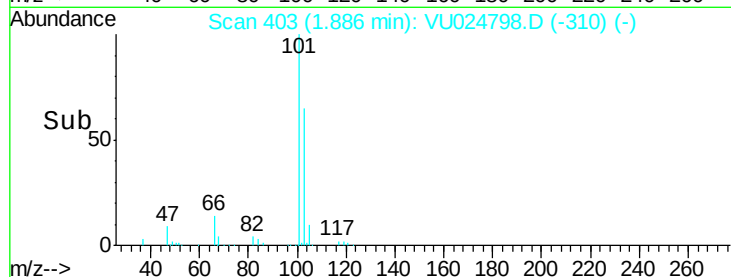
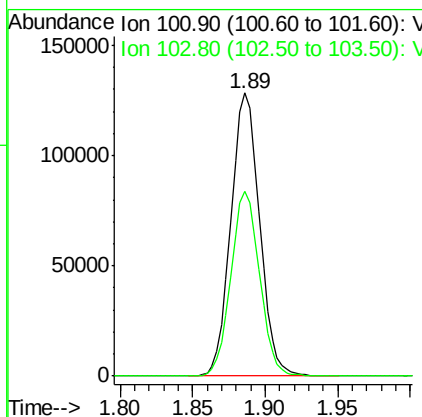
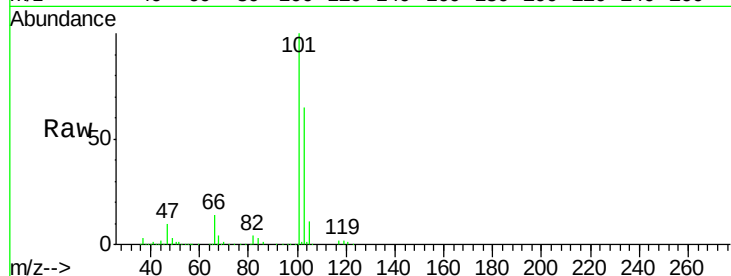
Trichlorofluoromethane
Concen: 50.98 ug/l
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU024798.D
Acq: 21 Jun 2018 08:30

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.3	78.5

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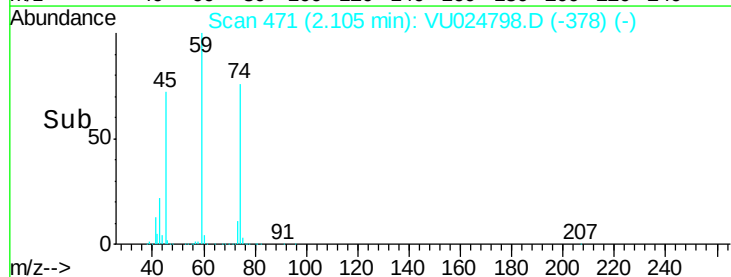
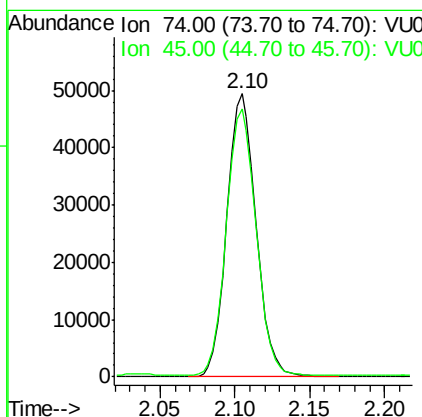
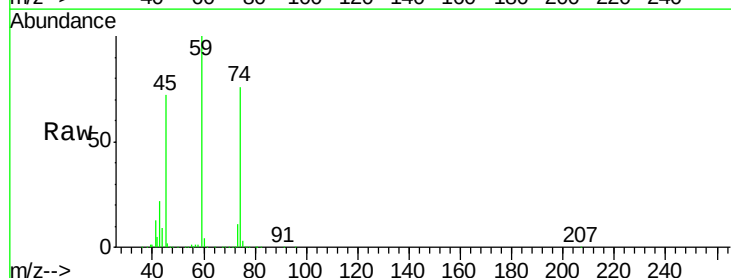
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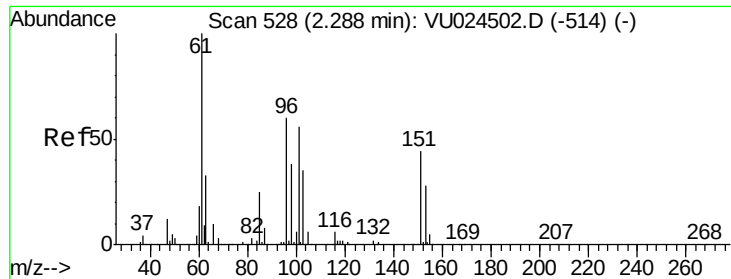


#8

Diethyl Ether
Concen: 57.39 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU024798.D
Acq: 21 Jun 2018 08:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.7	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.64 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Instrument :

MSVOA_U

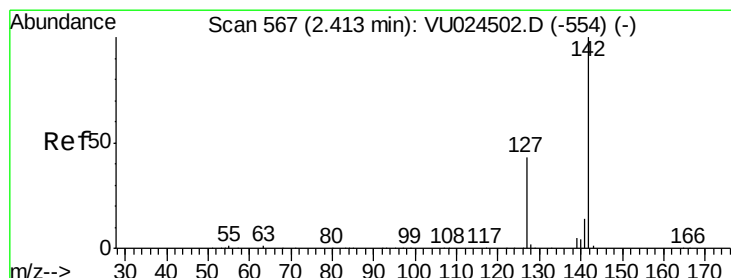
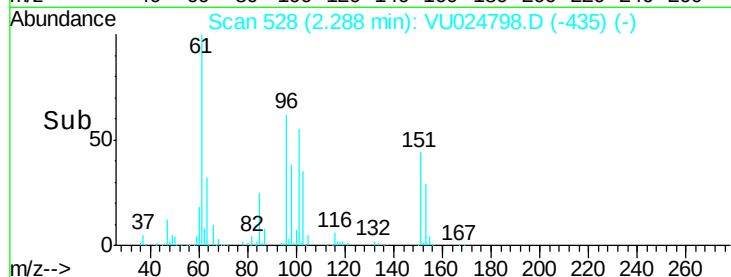
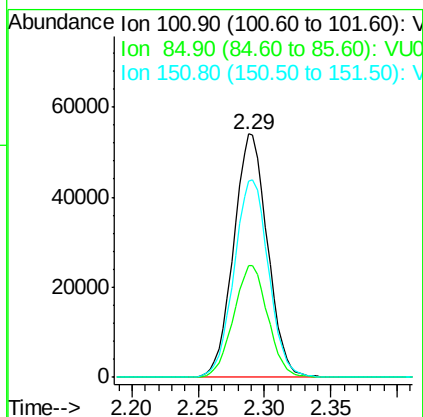
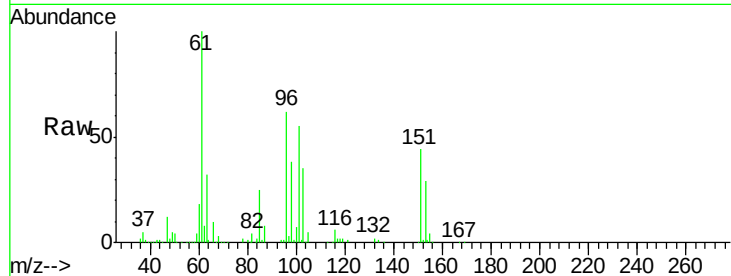
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	95907
Ion Ratio	Lower	Upper	
101	100		
85	46.4	36.0	54.0
151	82.7	62.3	93.5

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#10

Methyl Iodide

Concen: 52.40 ug/l

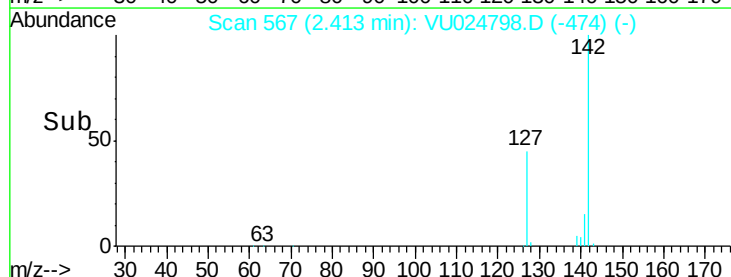
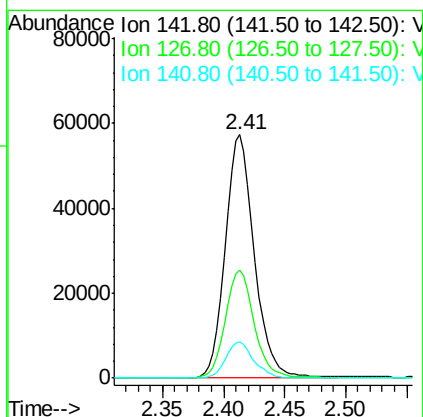
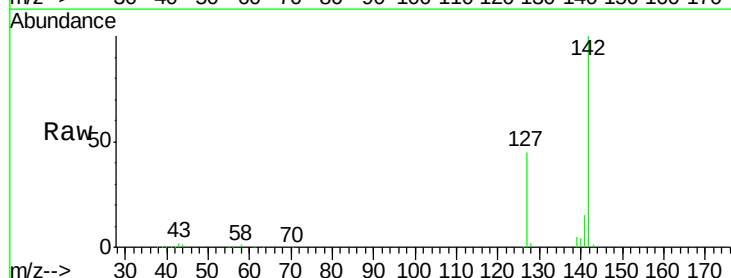
RT: 2.41 min Scan# 567

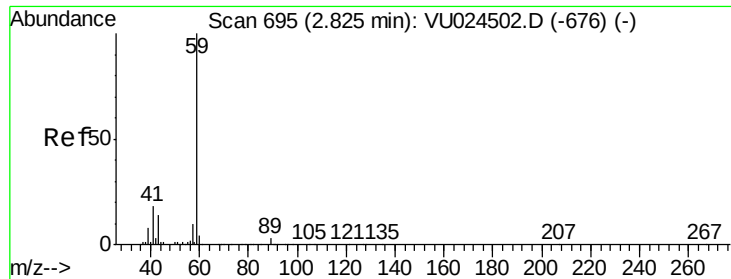
Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Tgt Ion:	142	Resp:	95796
Ion Ratio	Lower	Upper	
142	100		
127	44.4	35.6	53.4
141	14.4	11.7	17.5





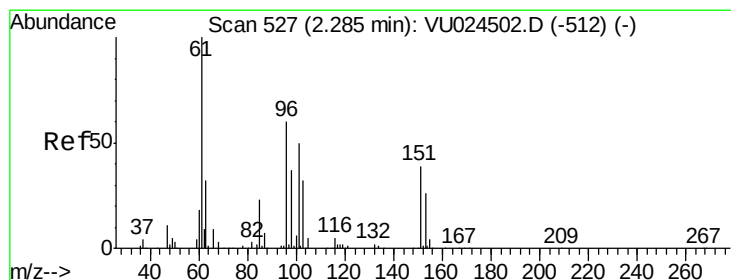
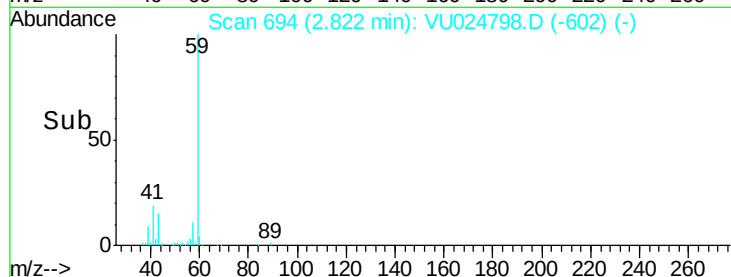
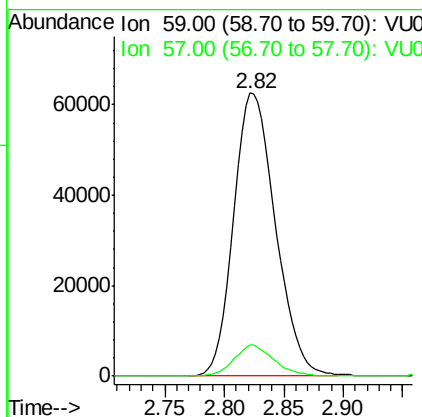
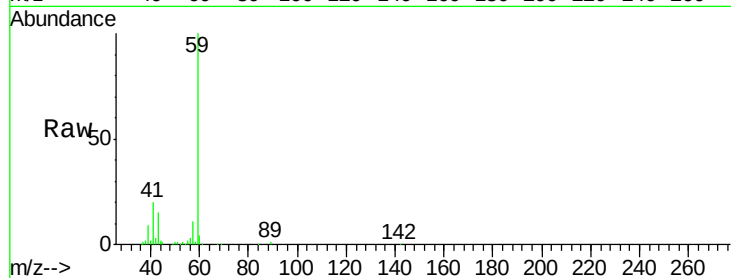
#11
Tert butyl alcohol
Concen: 223.21 ug/l
RT: 2.82 min Scan# 694
Delta R.T. -0.00 min
Lab File: VU024798.D
Acq: 21 Jun 2018 08:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.5	12.7

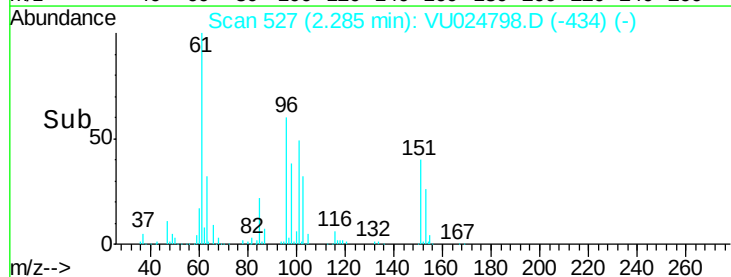
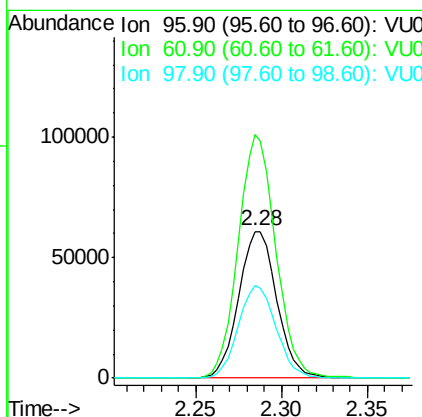
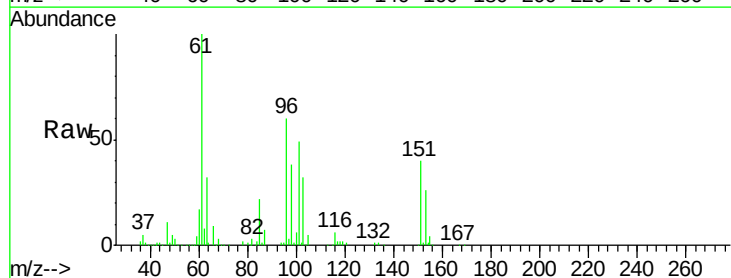
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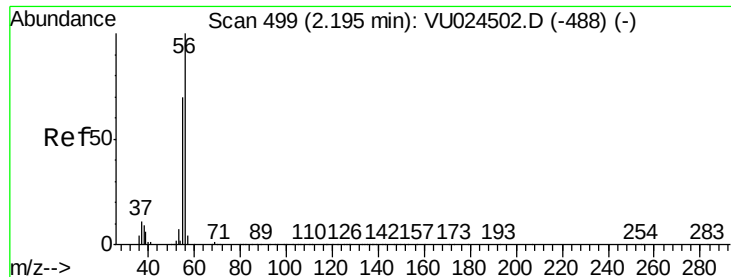
apatel
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#12
1,1-Dichloroethene
Concen: 48.00 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU024798.D
Acq: 21 Jun 2018 08:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.7	141.7	212.5
98	62.7	51.6	77.4





#13

Acrolein

Concen: 217.90 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 78176

Ion Ratio Lower Upper

56 100

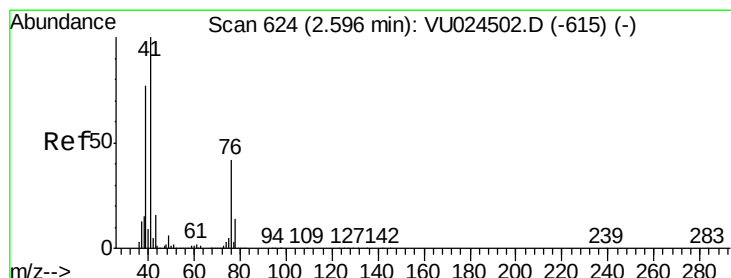
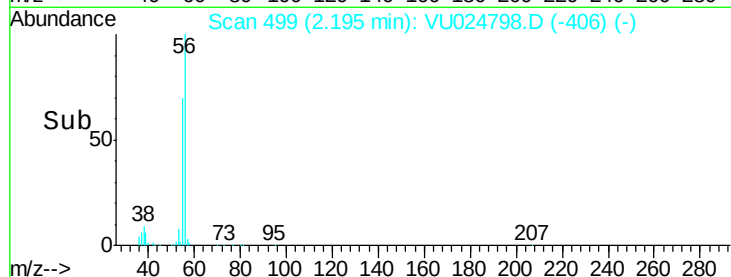
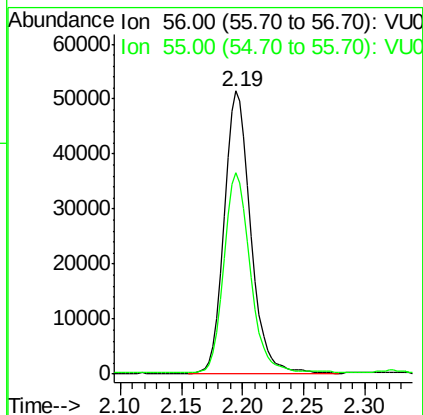
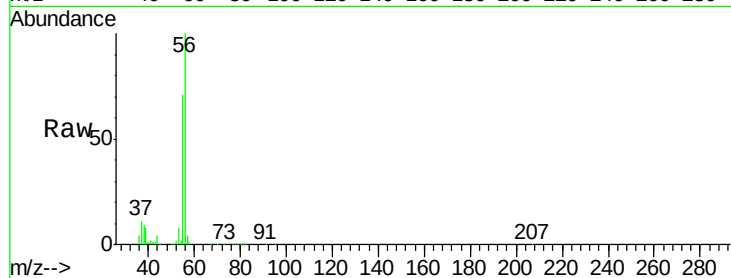
55 70.8 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 42.77 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

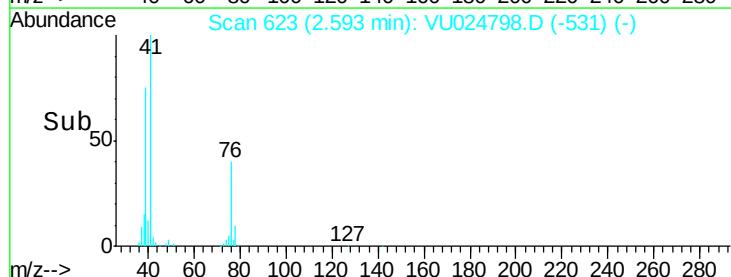
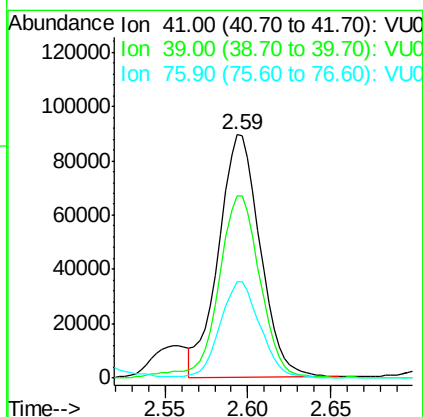
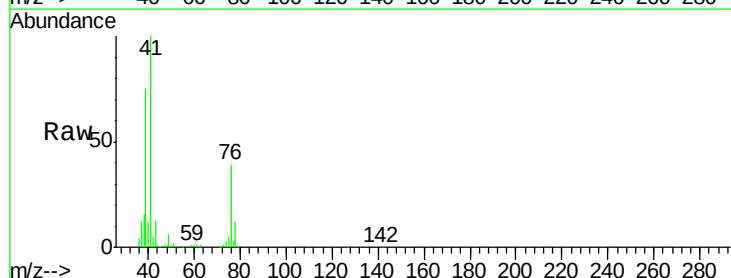
Tgt Ion: 41 Resp: 155609

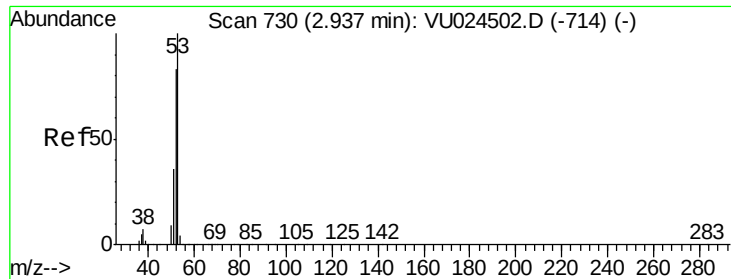
Ion Ratio Lower Upper

41 100

39 75.2 61.6 92.4

76 38.0 29.7 44.5





#15

Acrylonitrile

Concen: 248.92 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Instrument :

MSVOA_U

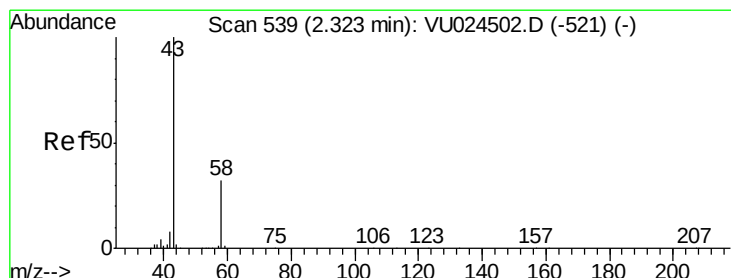
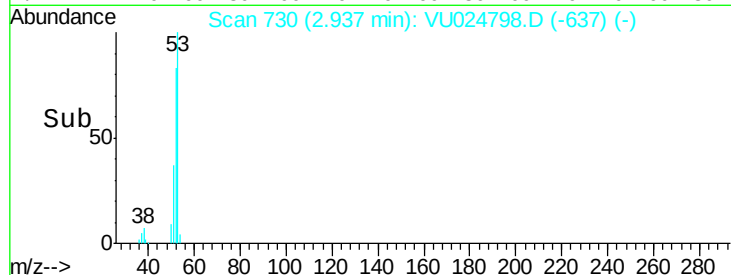
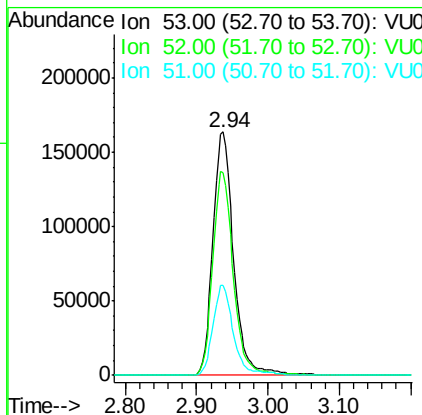
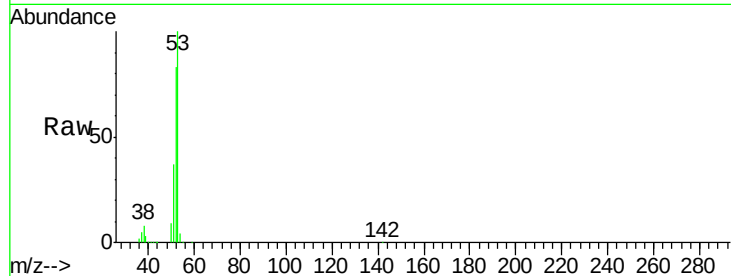
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	330877
Ion	Ratio	Lower	Upper
53	100		
52	82.5	67.1	100.7
51	36.6	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 193.49 ug/l

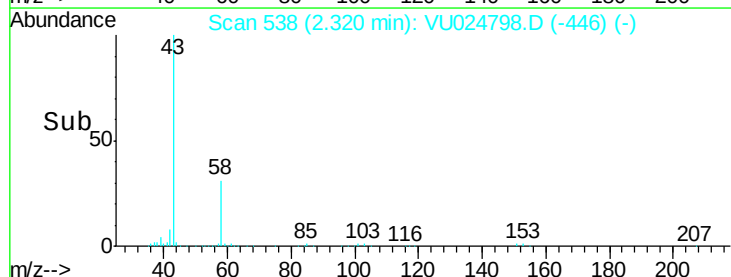
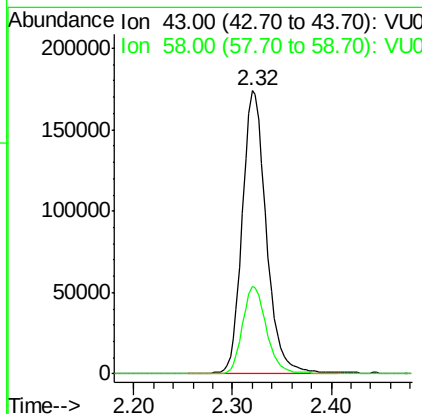
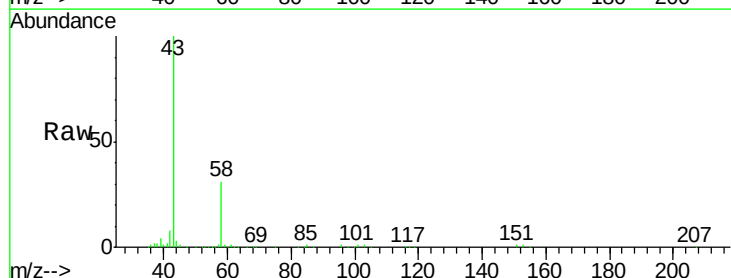
RT: 2.32 min Scan# 538

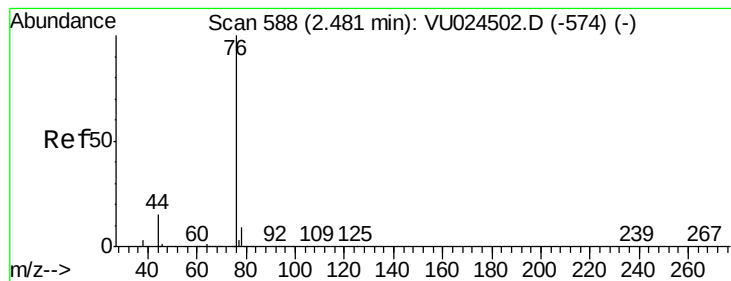
Delta R.T. -0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Tgt Ion:	43	Resp:	292043
Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.4	36.6





#17

Carbon Disulfide

Concen: 44.77 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 280854

Ion Ratio Lower Upper

76 100

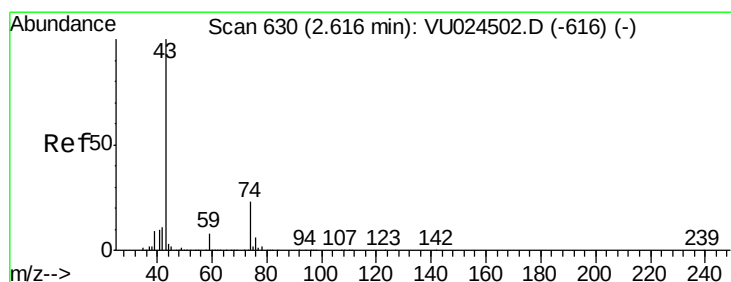
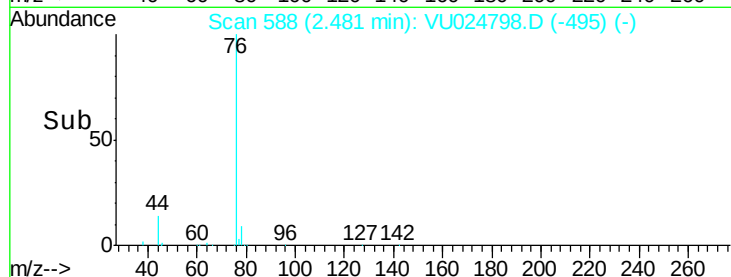
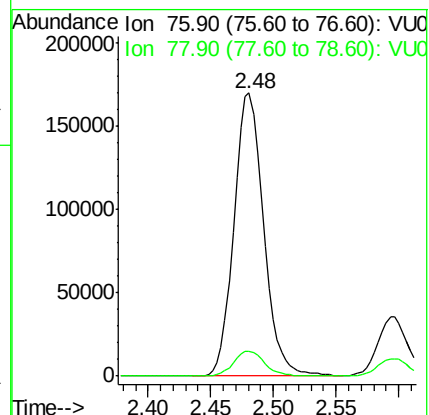
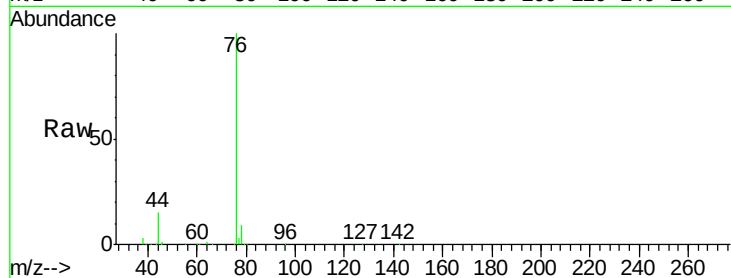
78 9.0 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 54.50 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU024798.D

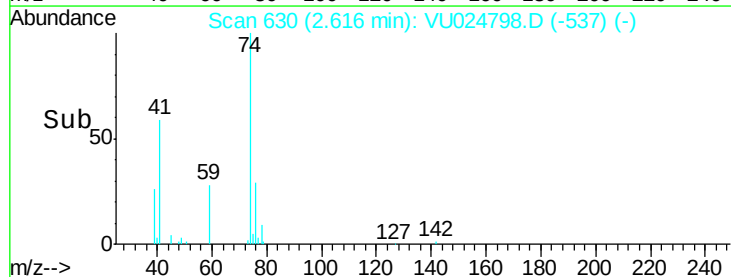
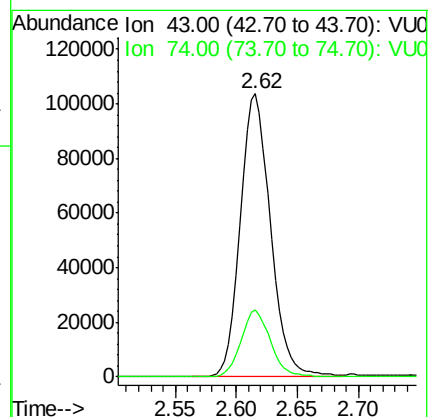
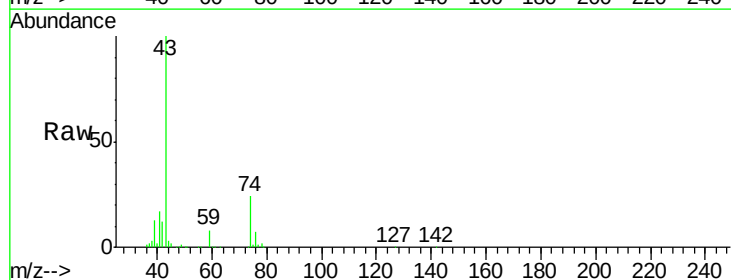
Acq: 21 Jun 2018 08:30

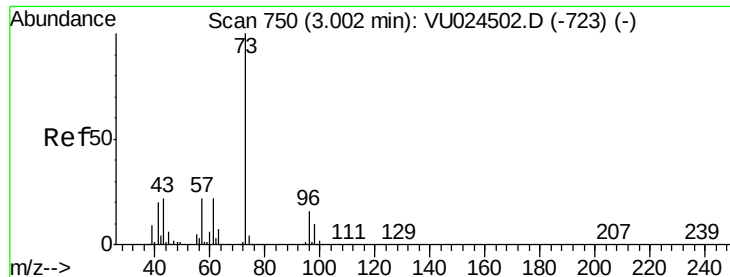
Tgt Ion: 43 Resp: 176344

Ion Ratio Lower Upper

43 100

74 23.4 18.0 27.0





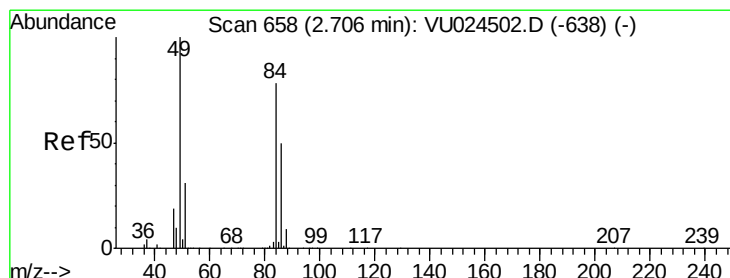
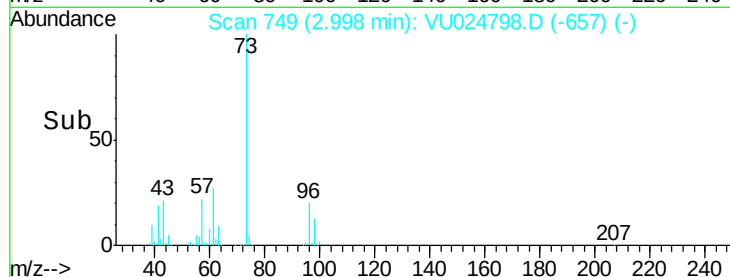
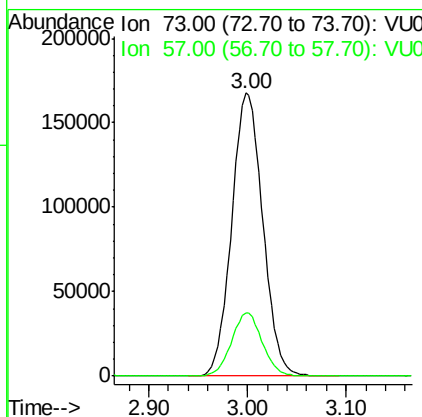
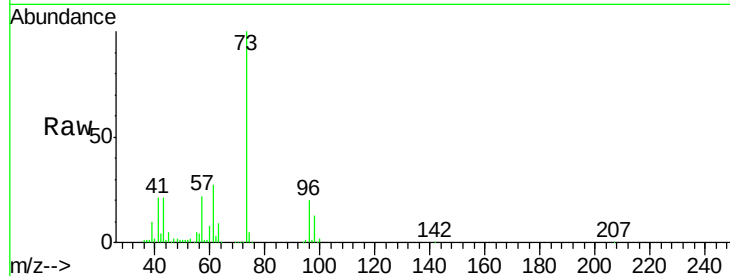
#19
Methyl tert-butyl Ether
Concen: 49.88 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU024798.D
Acq: 21 Jun 2018 08:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 367344
Ion Ratio Lower Upper
73 100
57 22.5 18.8 28.2

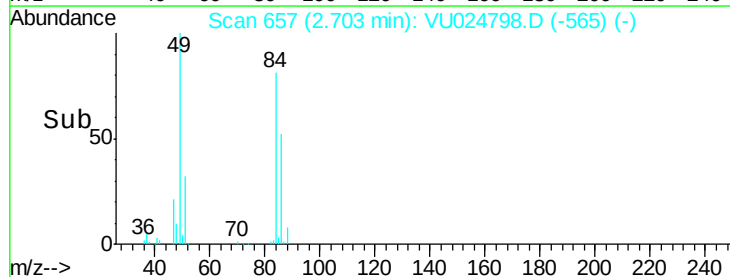
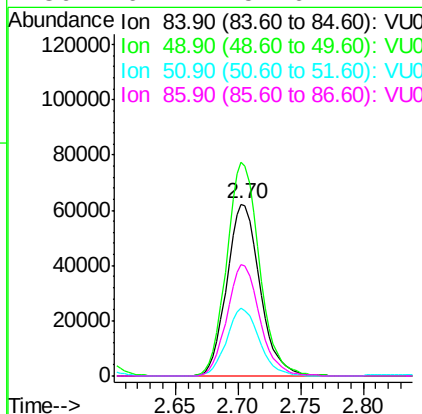
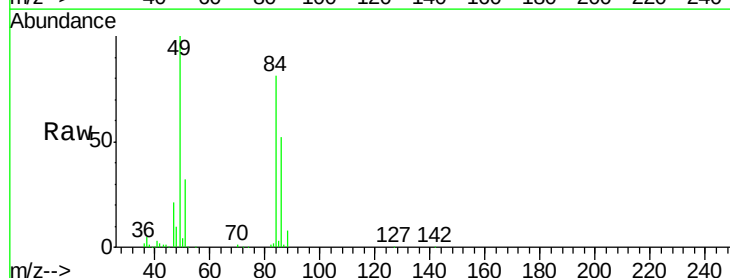
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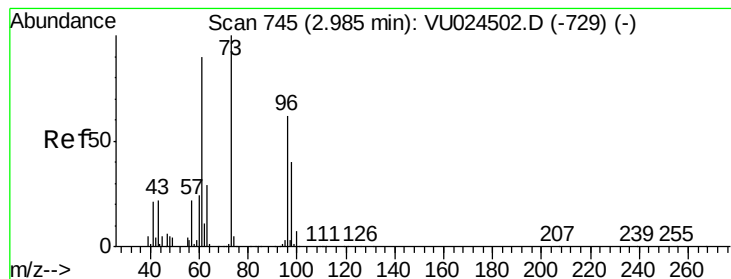
apatel
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#20
Methylene Chloride
Concen: 48.24 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024798.D
Acq: 21 Jun 2018 08:30

Tgt Ion: 84 Resp: 114240
Ion Ratio Lower Upper
84 100
49 124.2 103.8 155.8
51 39.3 32.0 48.0
86 64.7 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 48.56 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Instrument :

MSVOA_U

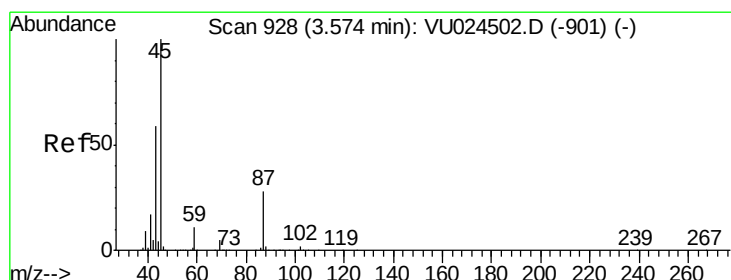
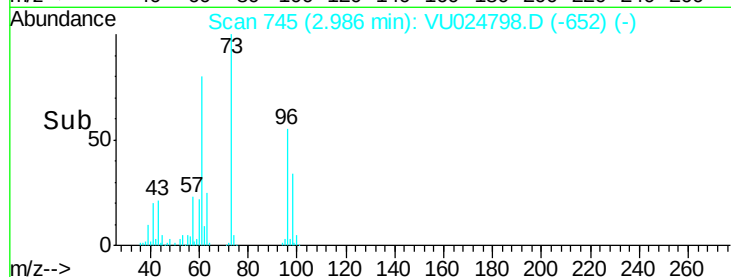
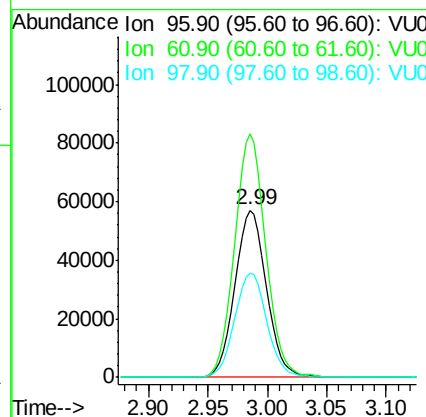
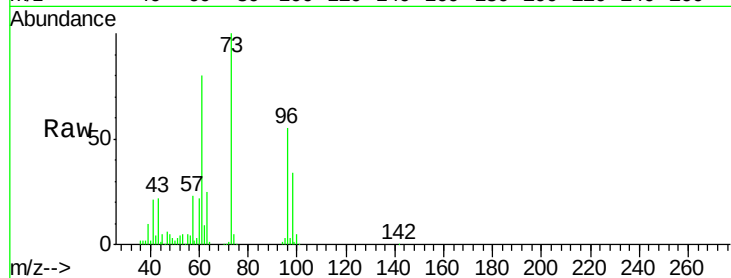
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	104801
Ion	Ratio	Lower	Upper
96	100		
61	145.7	119.4	179.0
98	62.3	51.1	76.7

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#22

Diisopropyl ether

Concen: 49.86 ug/l

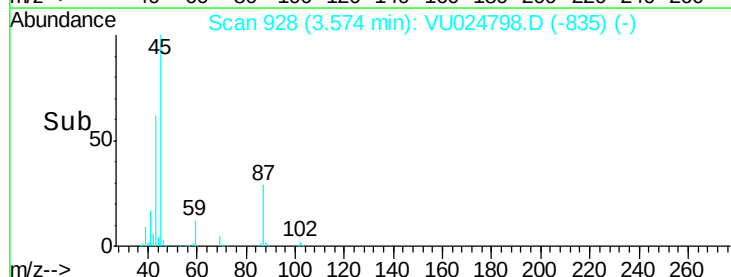
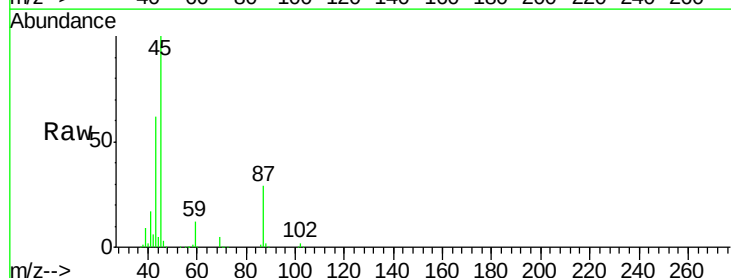
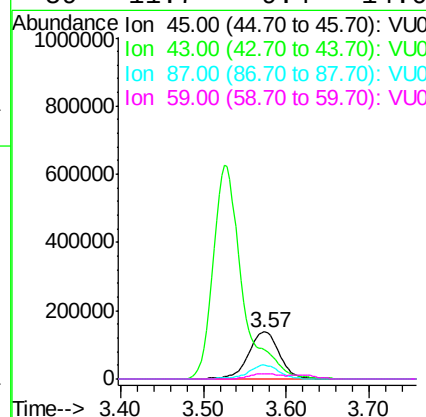
RT: 3.57 min Scan# 928

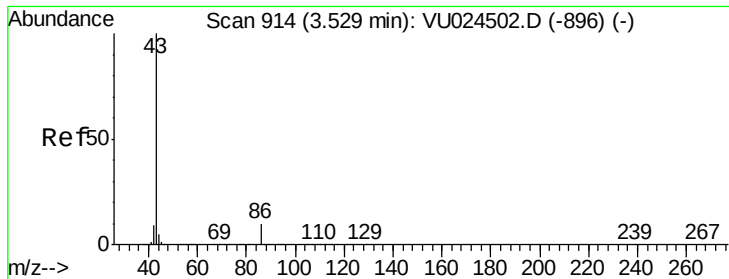
Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Tgt Ion:	45	Resp:	359592
Ion	Ratio	Lower	Upper
45	100		
43	60.7	45.8	68.6
87	29.4	20.6	31.0
59	11.7	9.4	14.0





#23

Vinyl Acetate

Concen: 237.78 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Tot Ion: 43 Resp: 1536067

Ion Ratio Lower Upper

43 100

86 10.3 7.8 11.8

Instrument :

MSVOA_U

ClientSampleId :

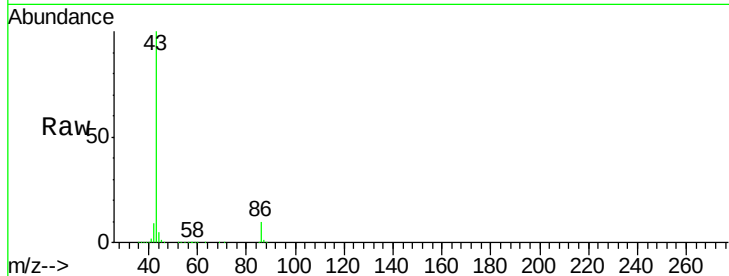
VSTDCCC050EC

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

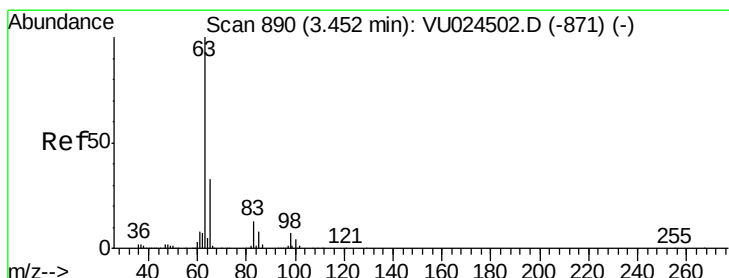
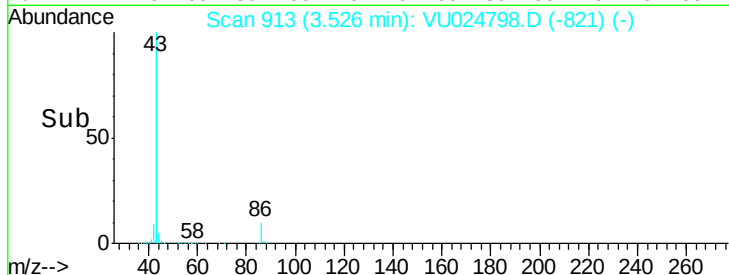
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.49 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

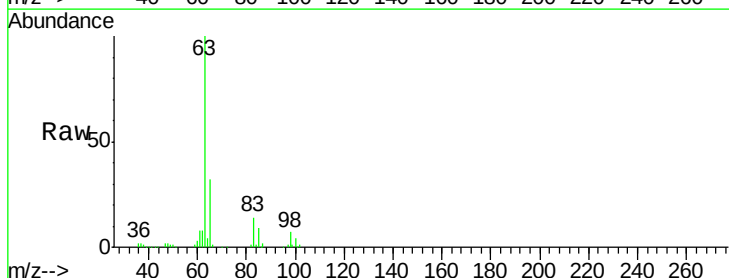
Tgt Ion: 63 Resp: 205326

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

100 4.0 1.8 5.5



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

120000

100000

80000

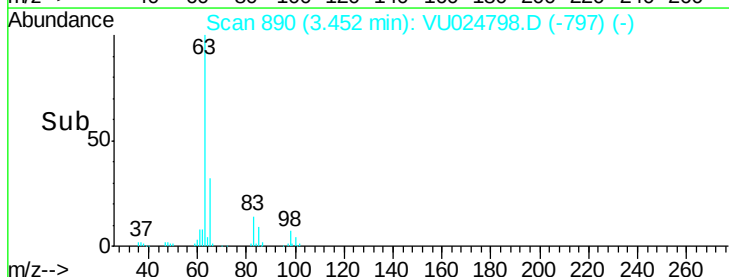
60000

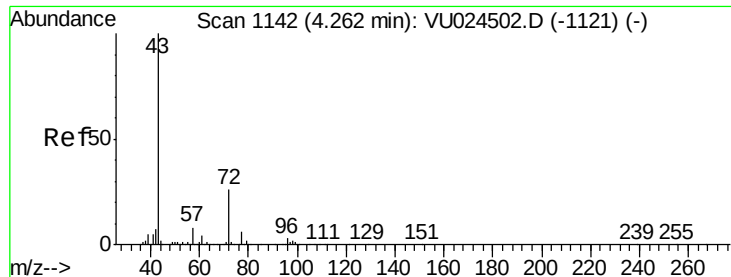
40000

20000

0

Time-->





#25

2-Butanone

Concen: 235.96 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 478375

Ion Ratio Lower Upper

43 100

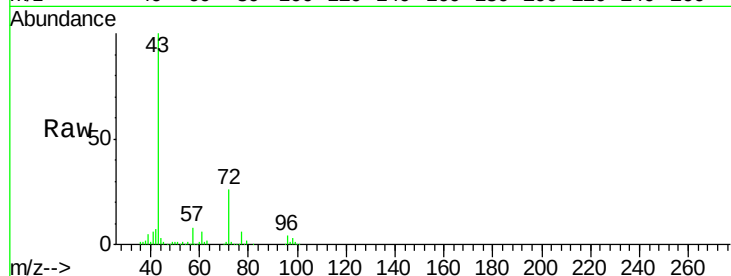
72 26.2 19.6 29.4

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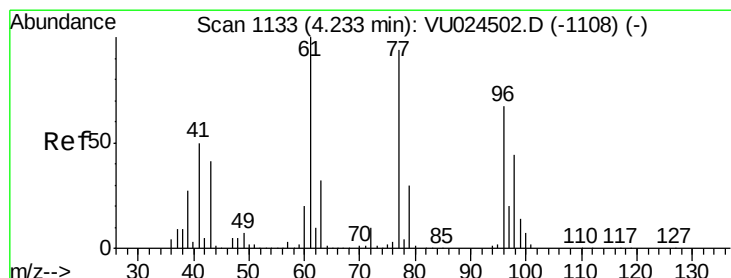
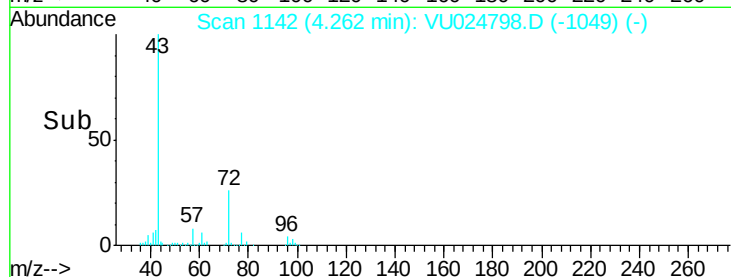
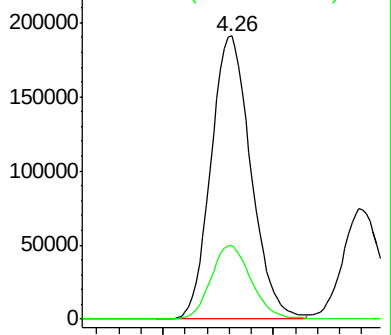
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 31.13 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU024798.D

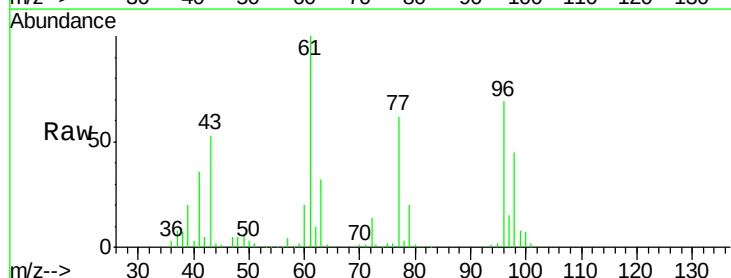
Acq: 21 Jun 2018 08:30

Tgt Ion: 77 Resp: 122630

Ion Ratio Lower Upper

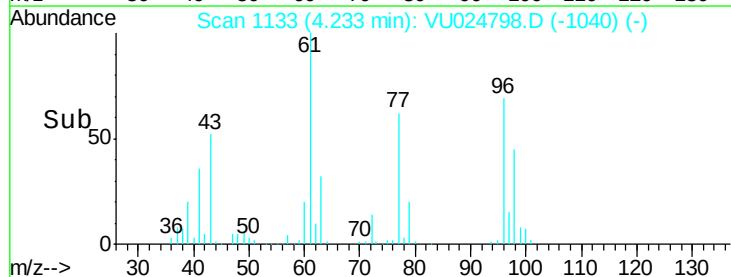
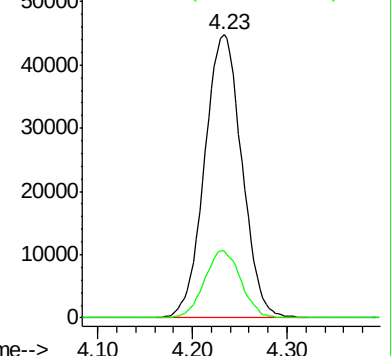
77 100

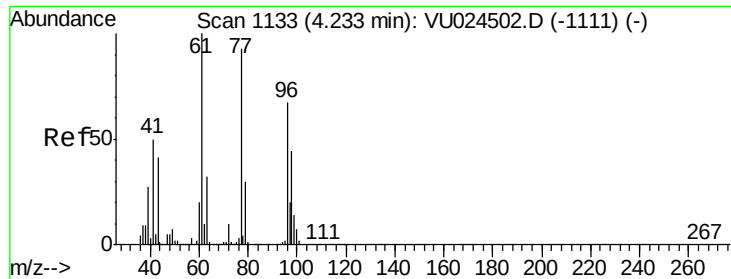
97 23.2 11.3 33.8



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

cis-1,2-Dichloroethene

Concen: 50.20 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

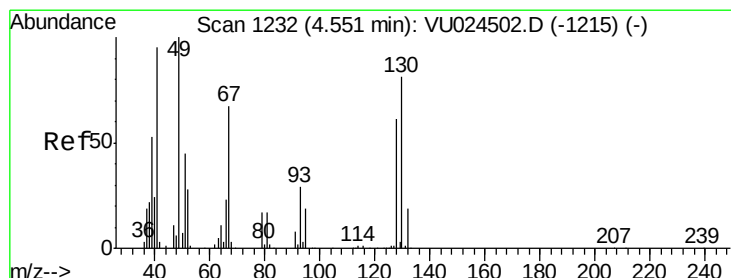
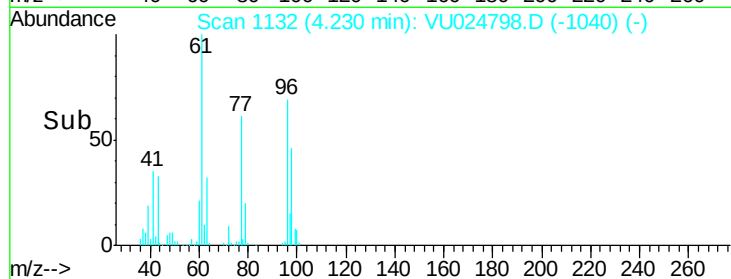
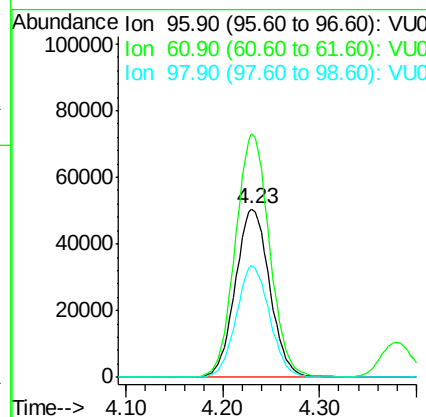
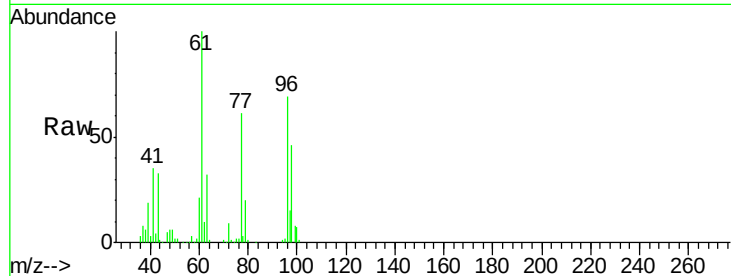
Instrument :
MSVOA_U

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.9	0.0	306.6
98	64.6	0.0	128.8

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#28

Bromochloromethane

Concen: 45.86 ug/l

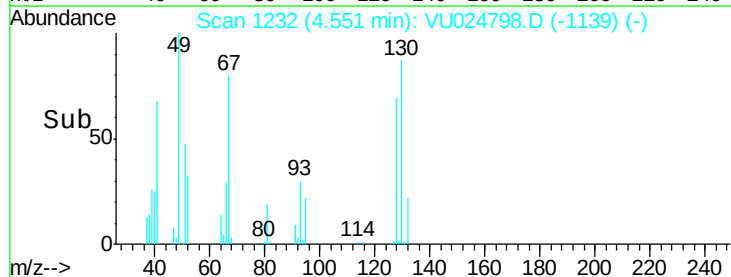
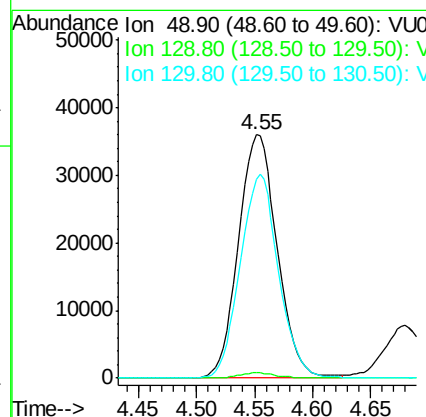
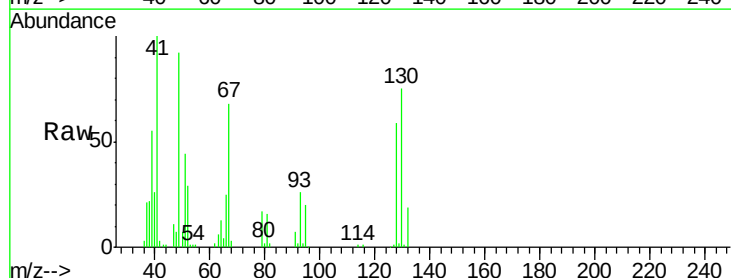
RT: 4.55 min Scan# 1232

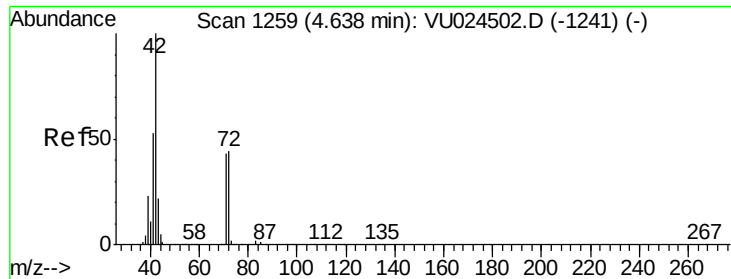
Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	82.9	57.8	86.6





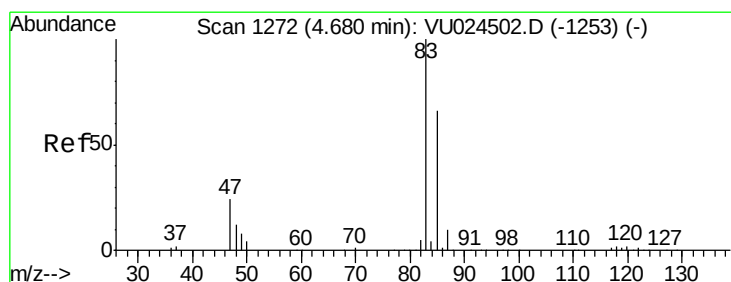
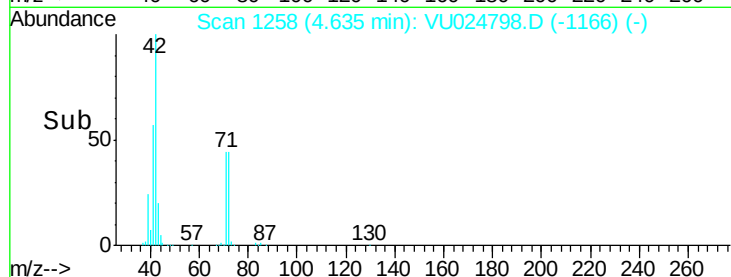
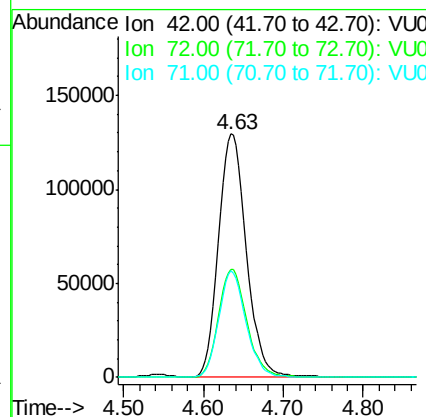
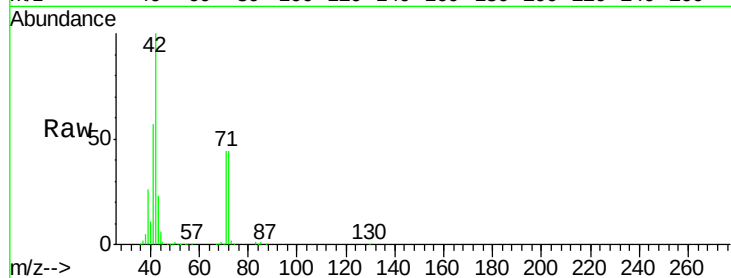
#29
Tetrahydrofuran
Concen: 247.42 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU024798.D
Acq: 21 Jun 2018 08:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	34.5	51.7
71	43.1	32.2	48.4

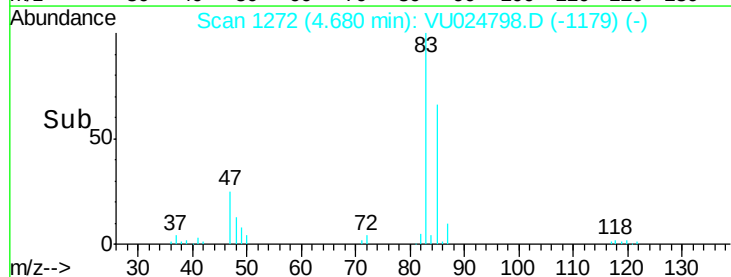
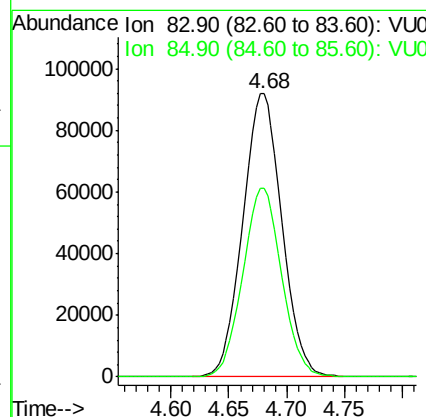
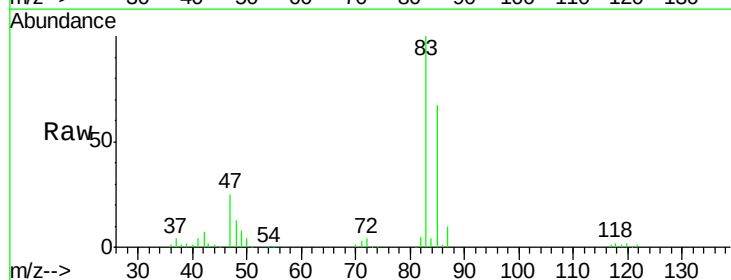
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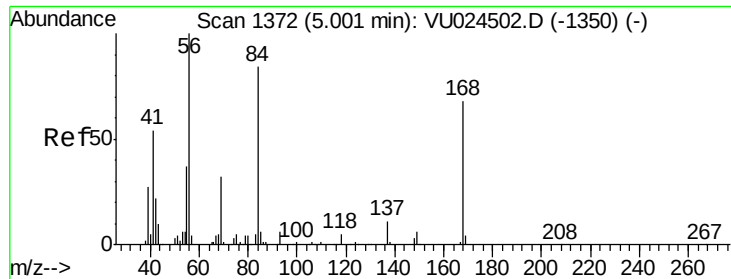
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#30
Chloroform
Concen: 51.34 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU024798.D
Acq: 21 Jun 2018 08:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.4	78.6





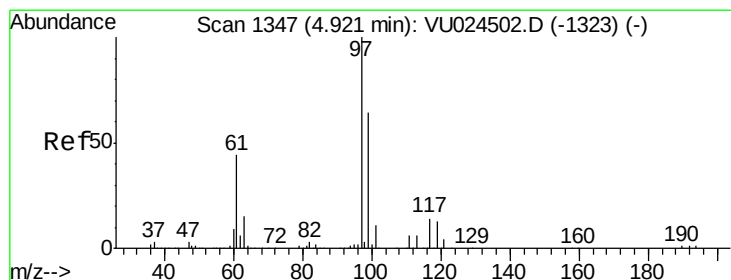
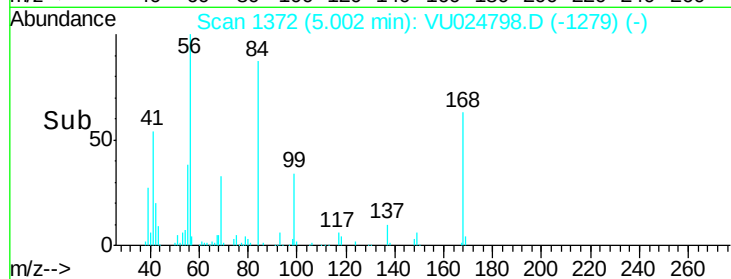
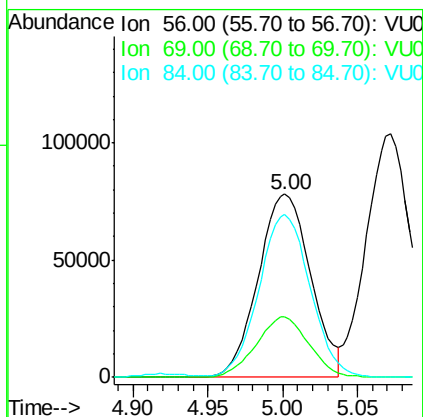
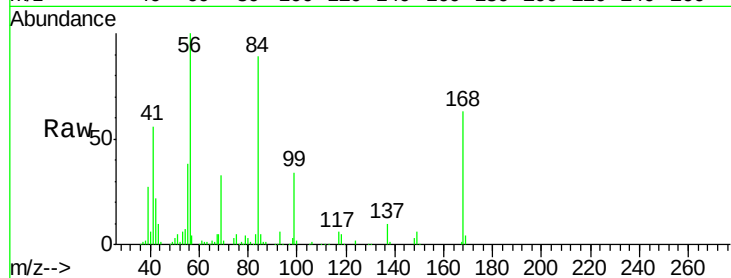
#31
Cyclohexane
Concen: 51.81 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024798.D
Acq: 21 Jun 2018 08:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	24.8	37.2
84	87.5	65.2	97.8

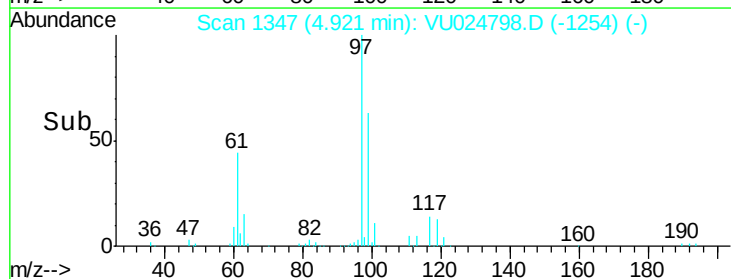
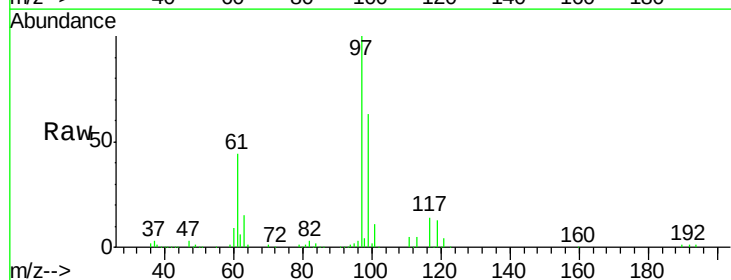
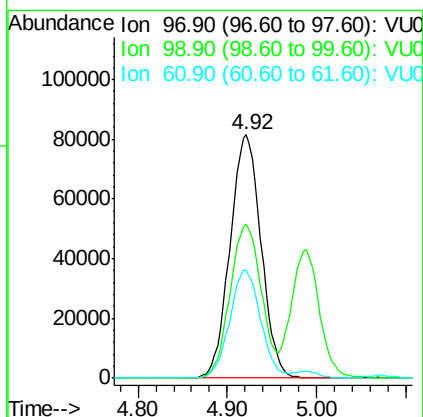
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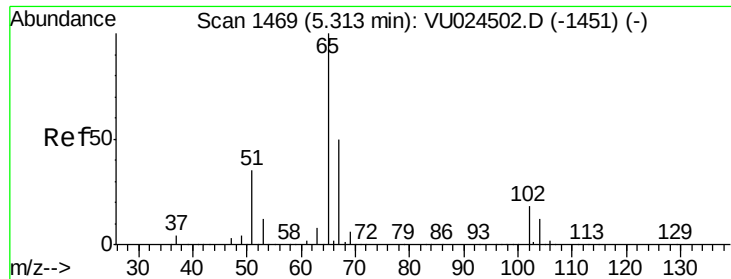
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#32
1,1,1-Trichloroethane
Concen: 50.43 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU024798.D
Acq: 21 Jun 2018 08:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.6
61	44.4	39.4	59.0





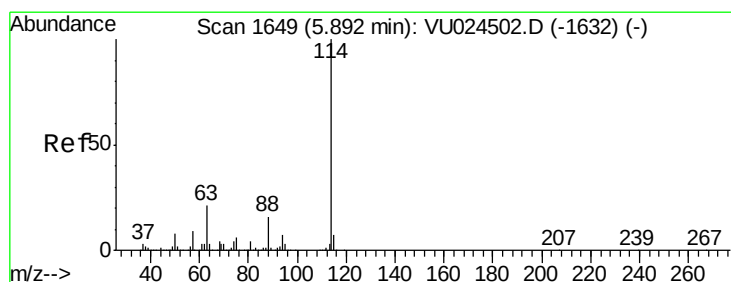
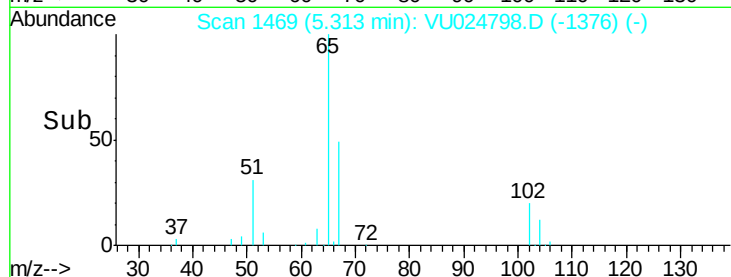
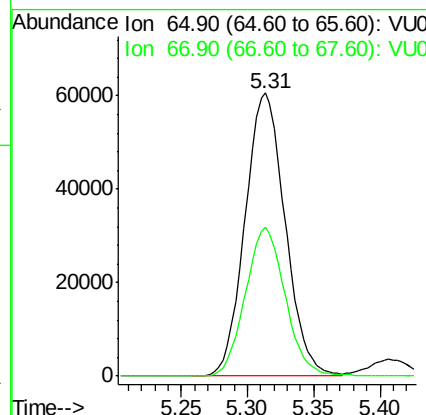
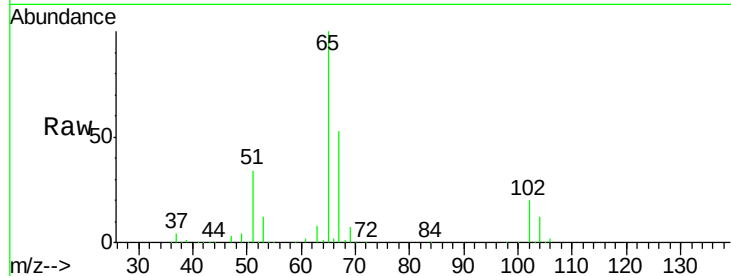
#33
 1,2-Dichloroethane-d4
 Concen: 45.28 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024798.D
 Acq: 21 Jun 2018 08:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	127200		
67	52.4	0.0	107.0	

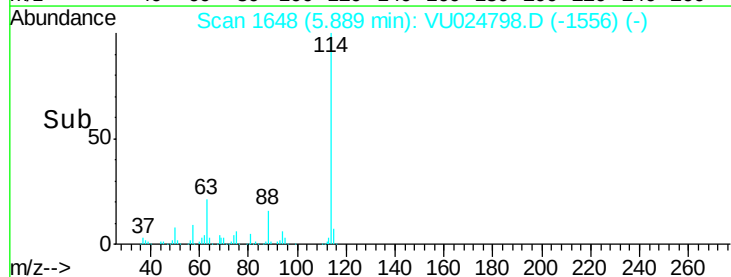
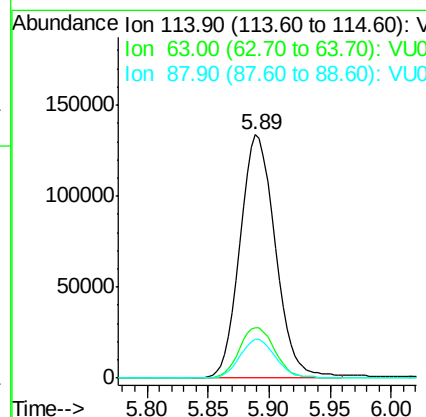
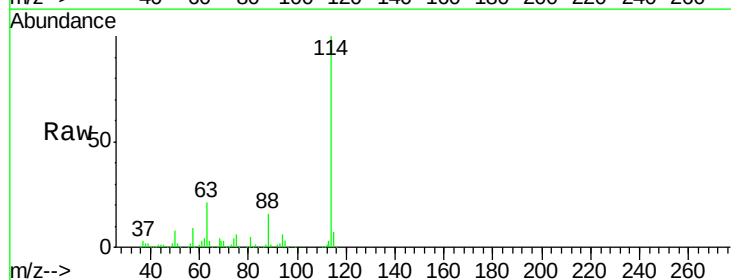
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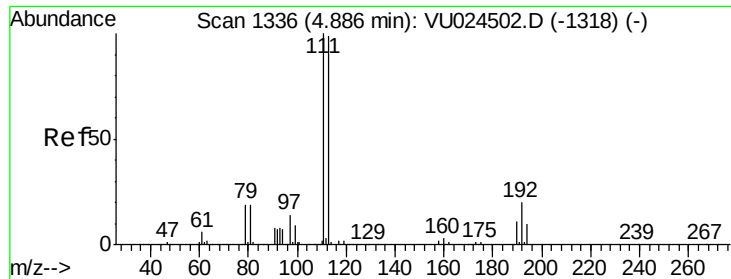
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024798.D
 Acq: 21 Jun 2018 08:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	269669		
63	20.6	0.0	45.4	
88	15.8	0.0	31.0	





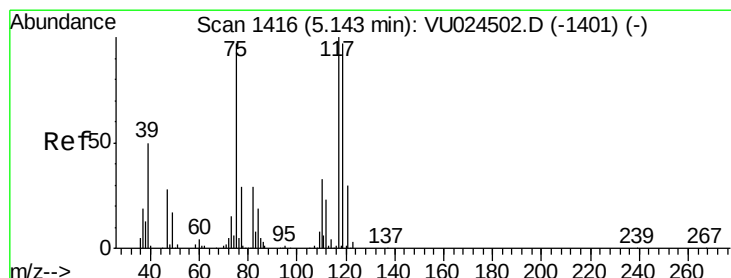
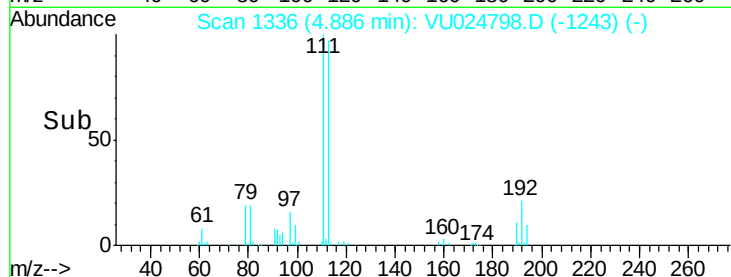
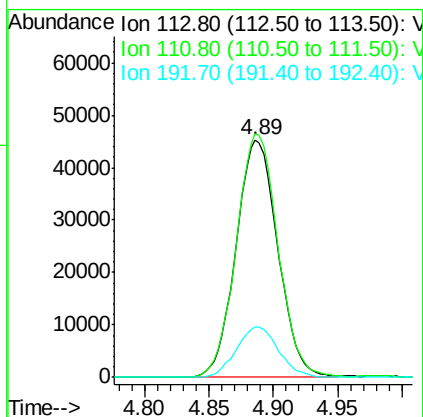
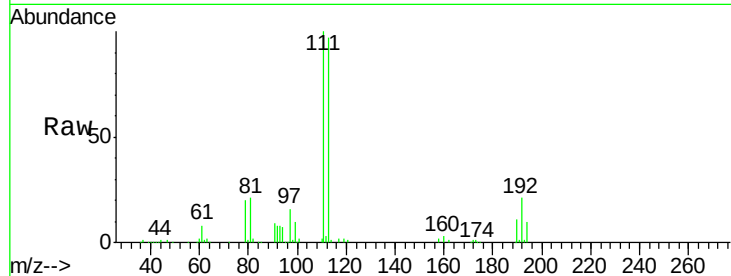
#35
 Dibromofluoromethane
 Concen: 45.63 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU024798.D
 Acq: 21 Jun 2018 08:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	102118		
111	102.4	82.2	123.4	
192	21.4	16.2	24.4	

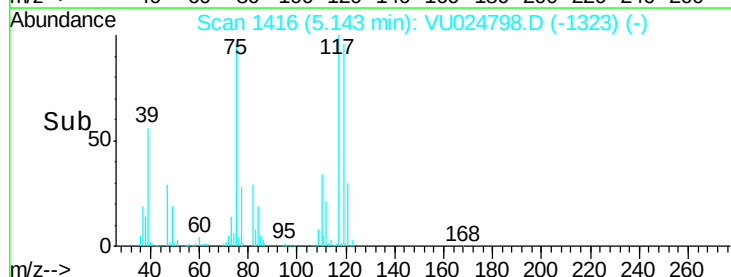
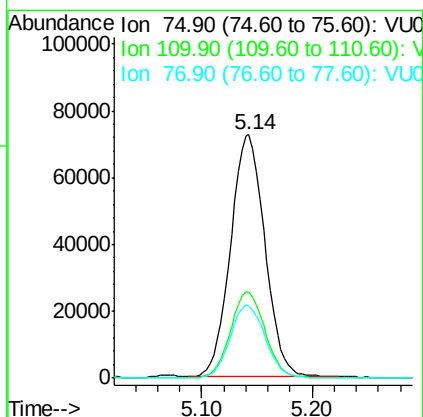
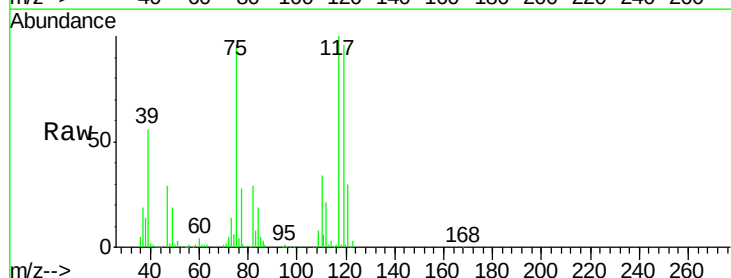
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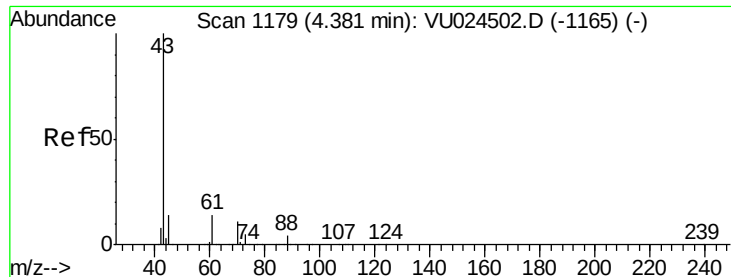
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#36
 1,1-Dichloropropene
 Concen: 49.25 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU024798.D
 Acq: 21 Jun 2018 08:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	156059		
110	36.0	17.0	50.9	
77	30.2	24.2	36.4	





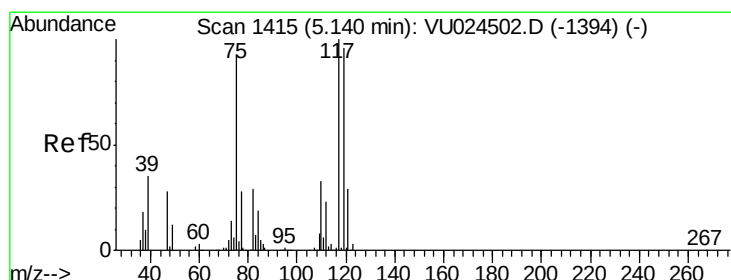
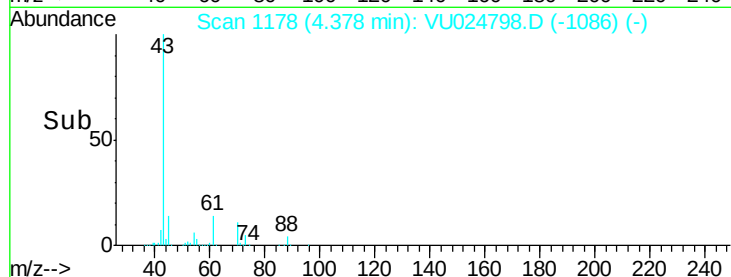
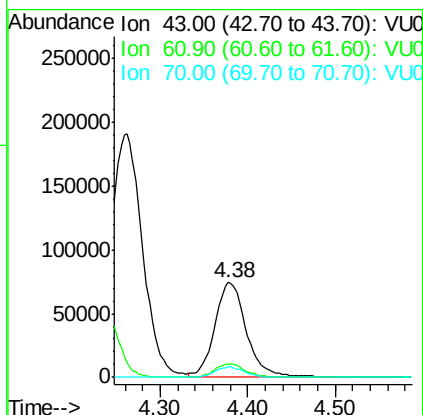
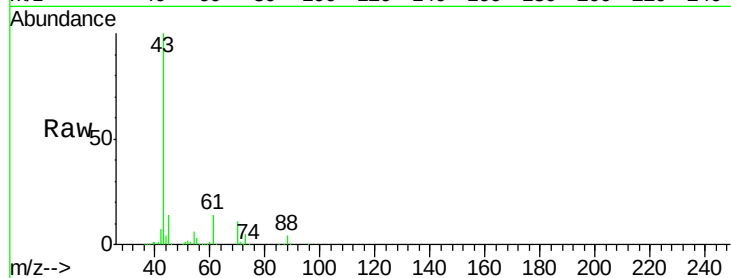
#37
Ethyl Acetate
Concen: 53.45 ug/l
RT: 4.38 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU024798.D
Acq: 21 Jun 2018 08:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.5	15.7
70	10.3	7.4	11.2

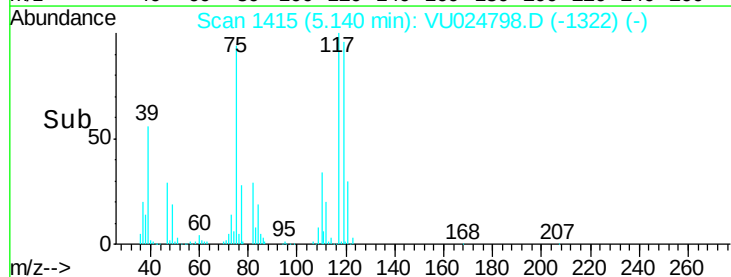
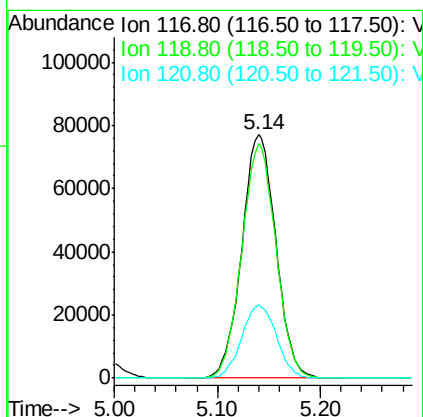
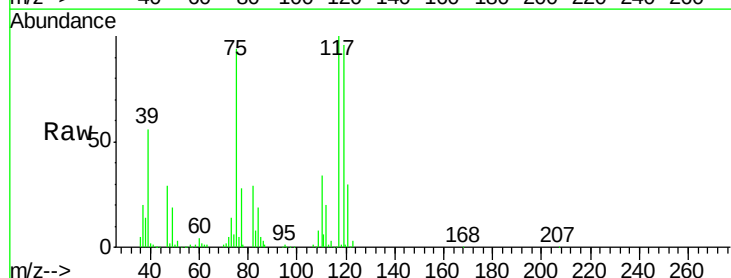
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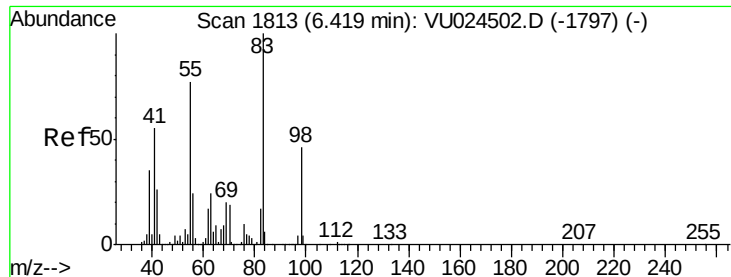
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#38
Carbon Tetrachloride
Concen: 50.80 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU024798.D
Acq: 21 Jun 2018 08:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.1	114.1
121	29.9	23.7	35.5





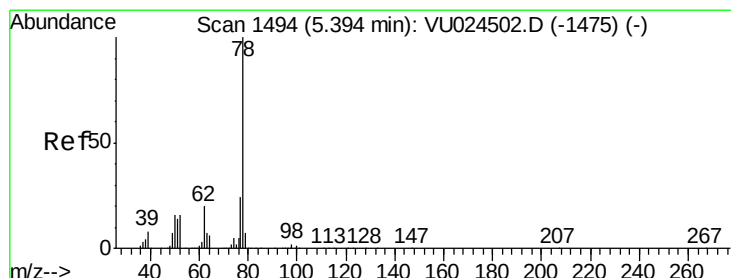
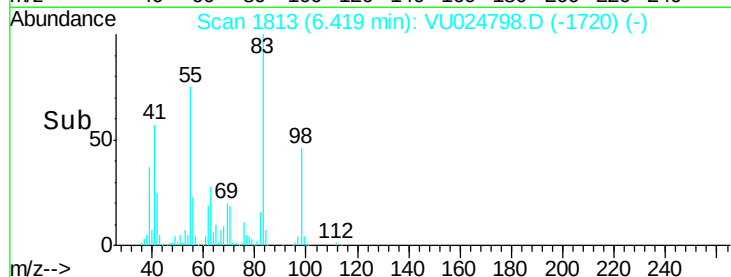
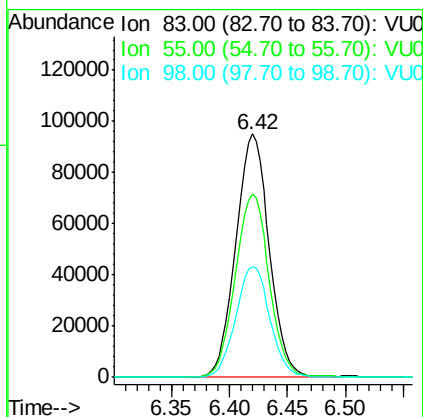
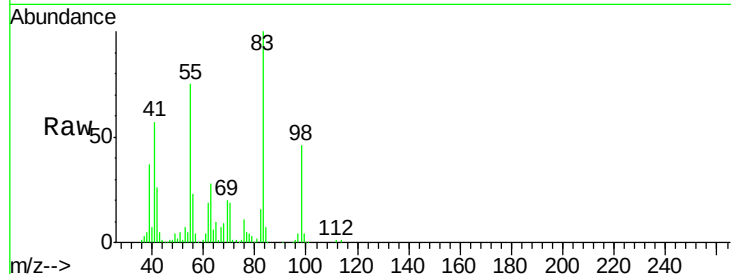
#39
Methylvlcyclohexane
Concen: 48.18 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024798.D
Acq: 21 Jun 2018 08:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	65.8	98.6
98	45.6	36.7	55.1

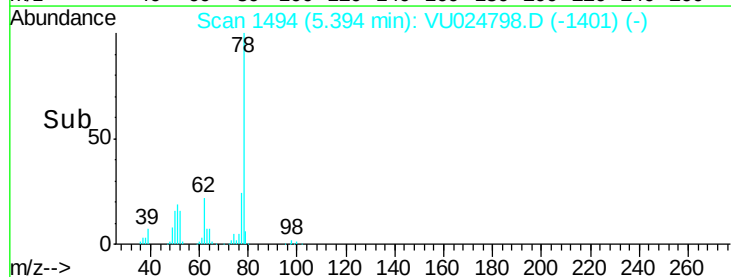
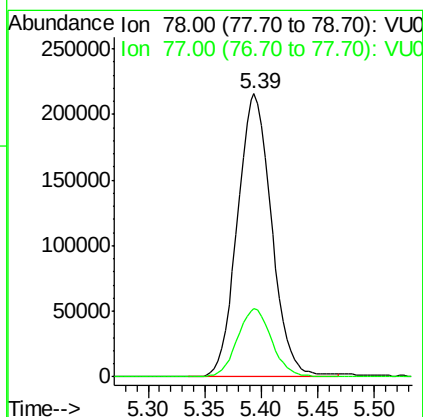
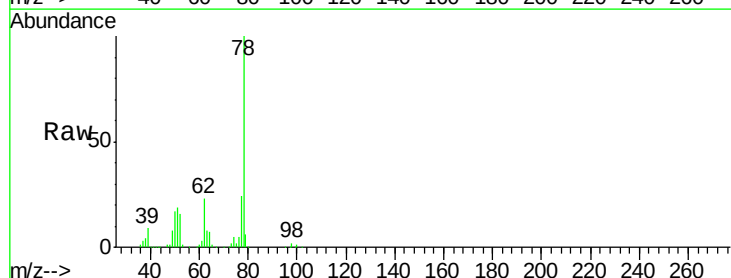
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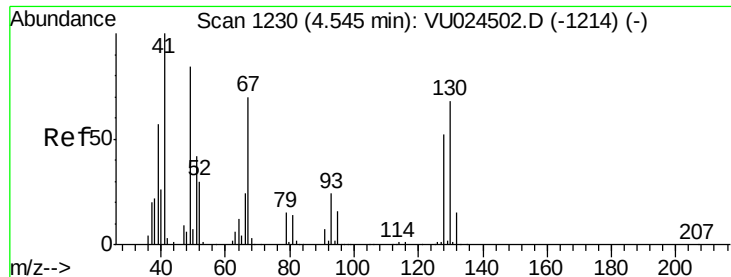
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#40
Benzene
Concen: 50.40 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024798.D
Acq: 21 Jun 2018 08:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.2	28.8





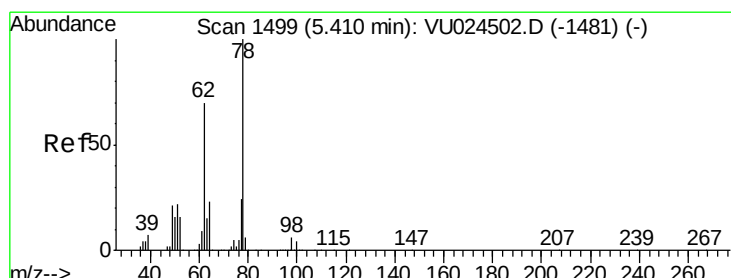
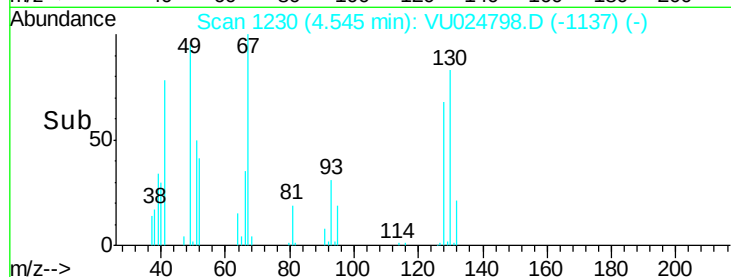
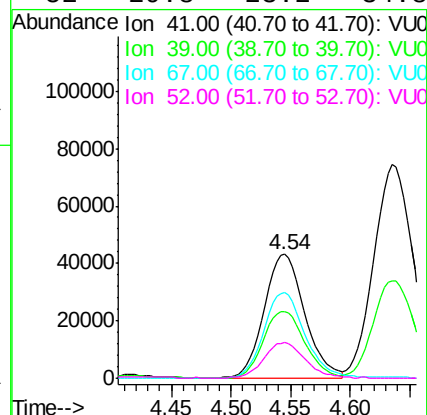
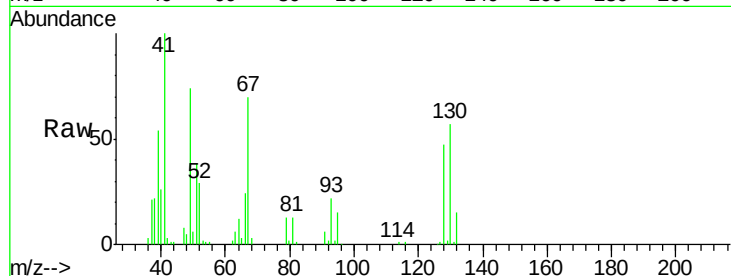
#41
Methacrylonitrile
Concen: 54.53 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU024798.D
Acq: 21 Jun 2018 08:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.8	43.8	65.6	
67	70.7	56.3	84.5	
52	29.8	23.2	34.8	

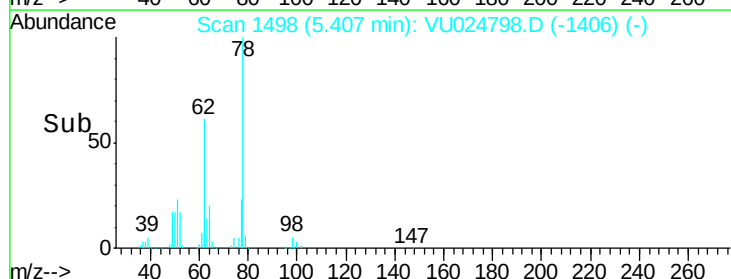
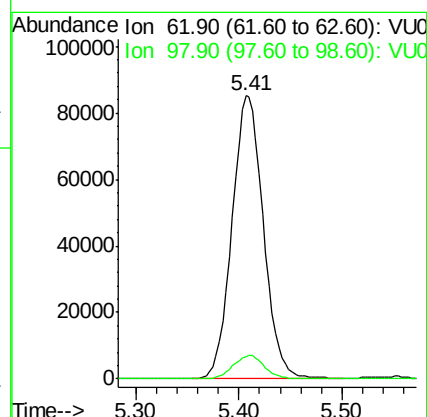
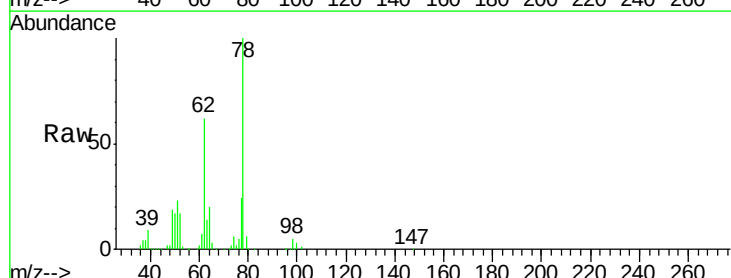
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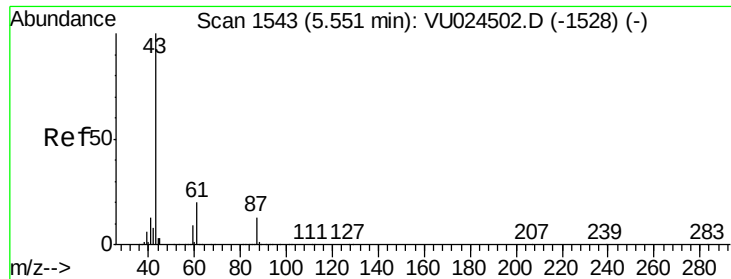
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#42
1,2-Dichloroethane
Concen: 52.41 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU024798.D
Acq: 21 Jun 2018 08:30

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	16.6	





#43

Isopropyl Acetate

Concen: 48.99 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Instrument :

MSVOA_U

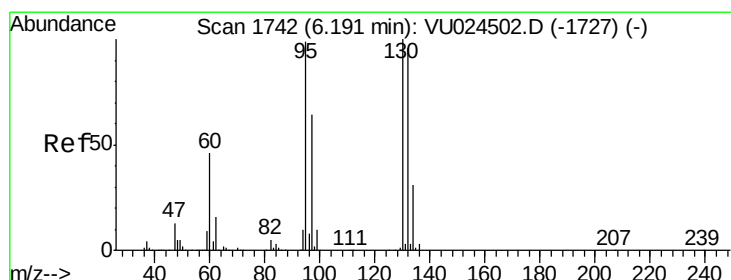
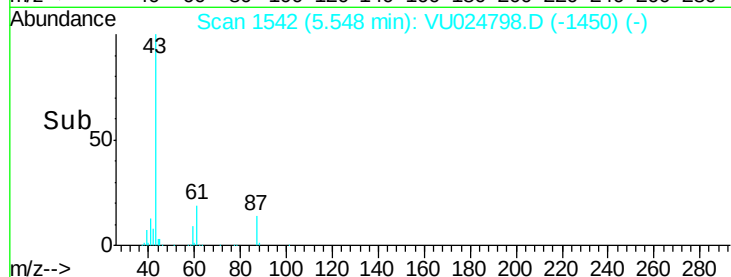
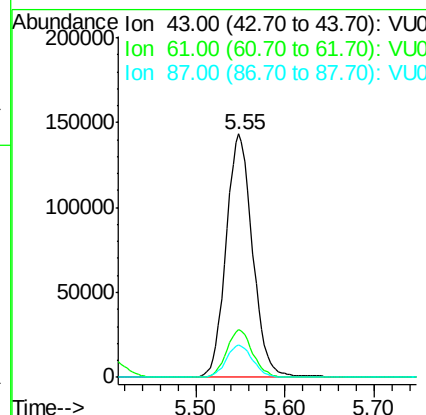
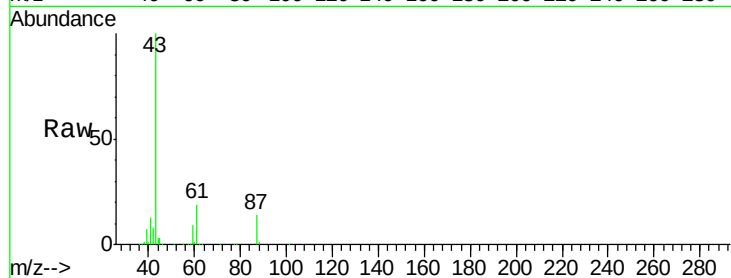
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	292495
Ion Ratio	Lower	Upper	
43	100		
61	19.5	15.4	23.0
87	13.4	10.0	15.0

Manual Integrations
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#44

Trichloroethene

Concen: 50.03 ug/l

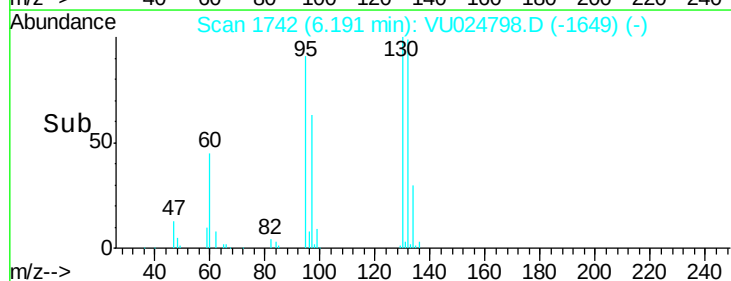
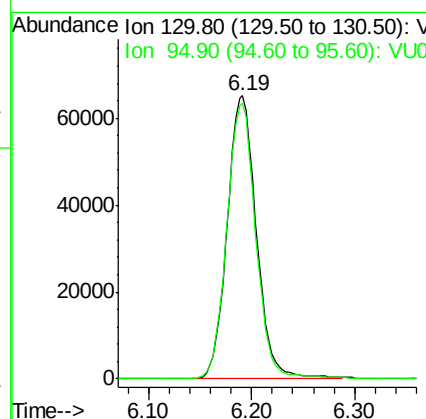
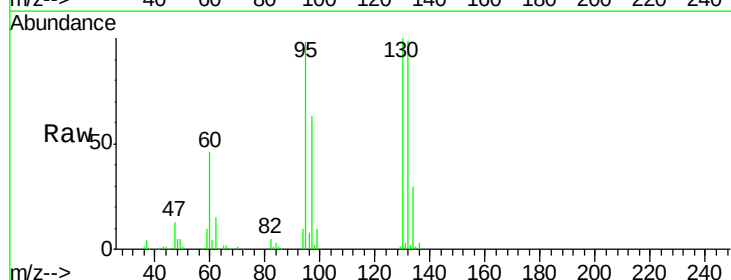
RT: 6.19 min Scan# 1742

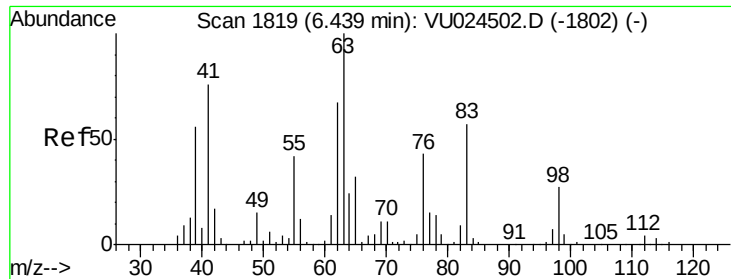
Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Tgt Ion:	130	Resp:	128562
Ion Ratio	Lower	Upper	
130	100		
95	97.6	0.0	202.4





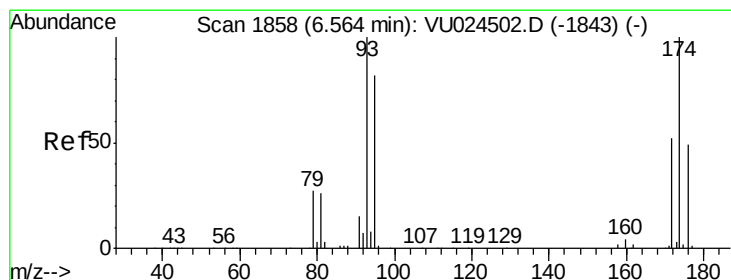
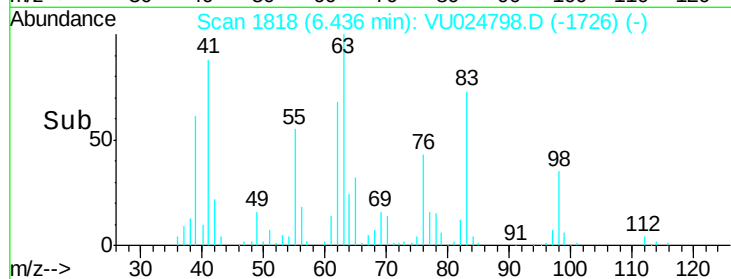
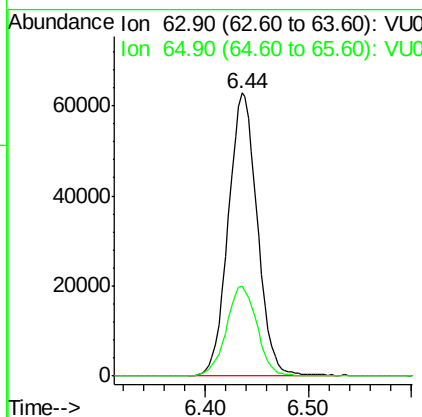
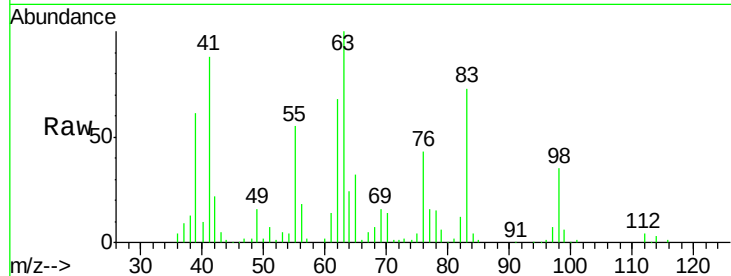
#45
 1,2-Dichloropropane
 Concen: 51.30 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024798.D
 Acq: 21 Jun 2018 08:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 123586
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.8 37.2

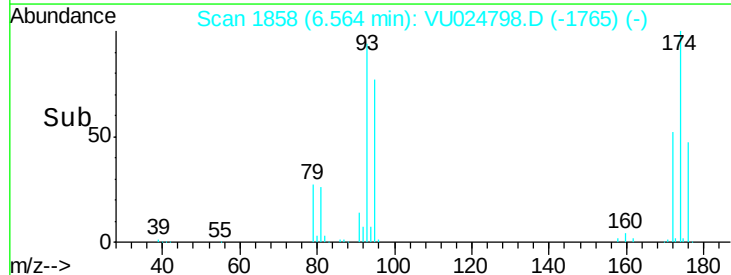
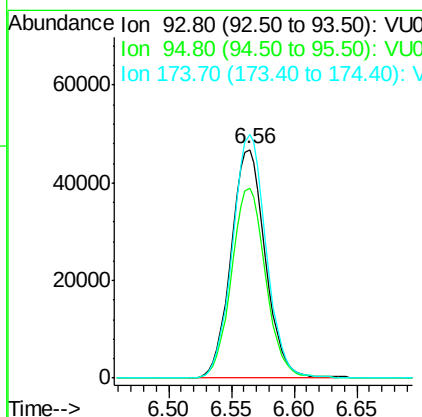
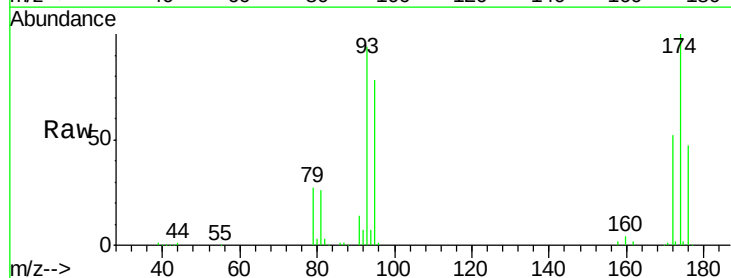
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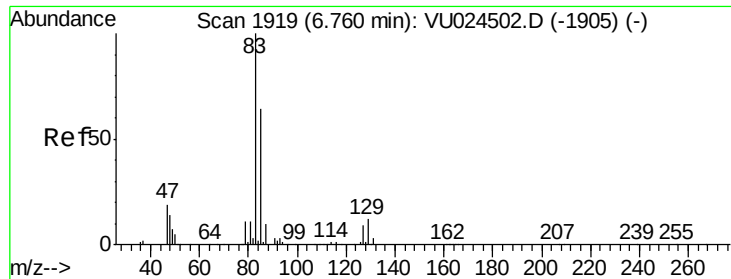
apatel
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#46
 Dibromomethane
 Concen: 52.46 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU024798.D
 Acq: 21 Jun 2018 08:30

Tgt Ion: 93 Resp: 88785
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.5 98.3
 174 105.3 78.7 118.1





#47

Bromodichloromethane

Concen: 50.68 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Instrument :

MSVOA_U

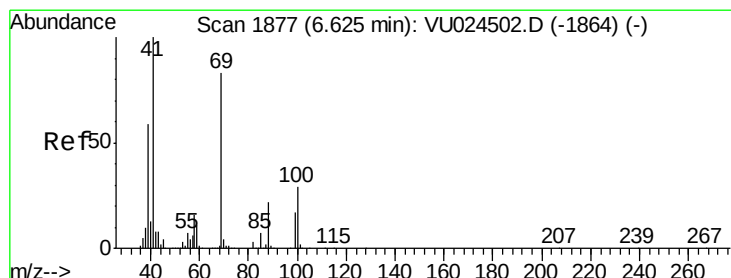
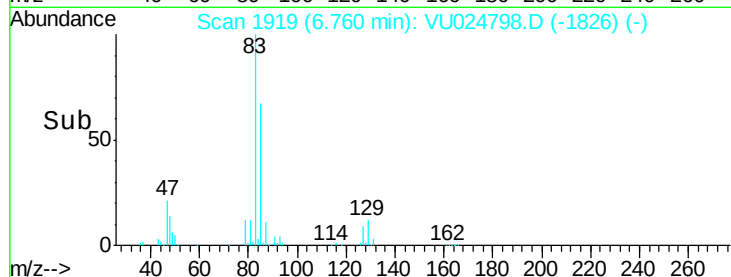
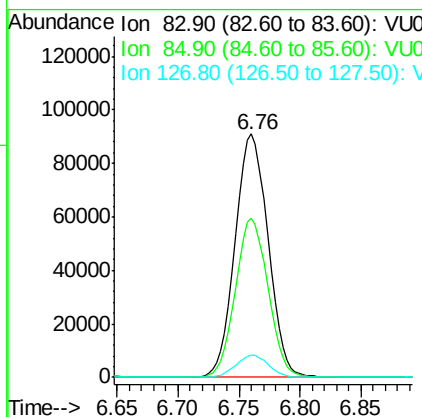
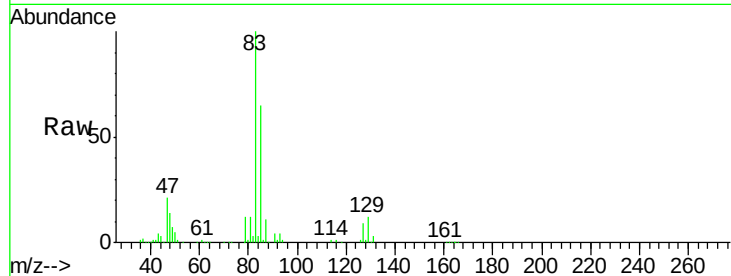
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	170768
Ion Ratio	Lower	Upper	
83	100		
85	65.4	51.9	77.9
127	9.3	6.6	9.8

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#48

Methyl methacrylate

Concen: 51.37 ug/l

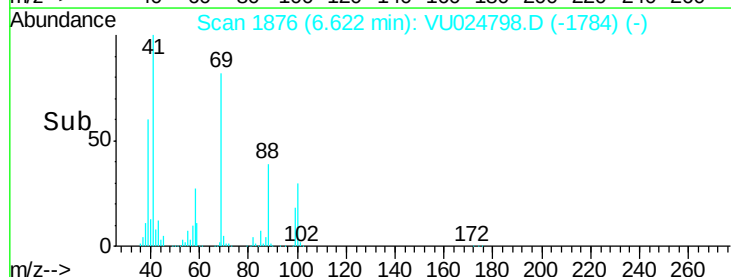
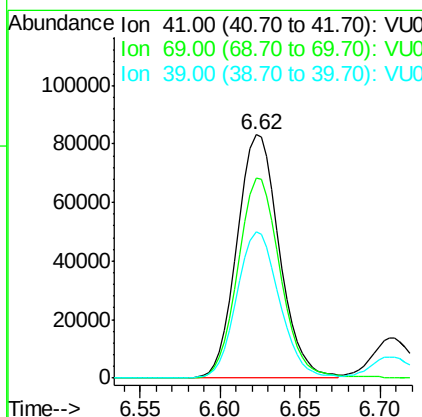
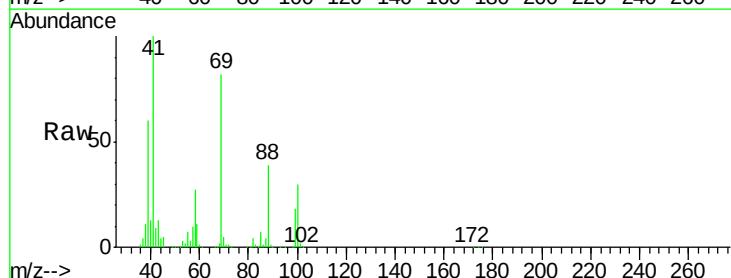
RT: 6.62 min Scan# 1876

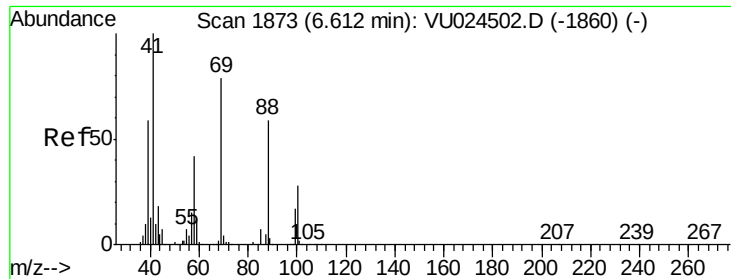
Delta R.T. -0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Tgt Ion:	41	Resp:	149335
Ion Ratio	Lower	Upper	
41	100		
69	82.7	67.3	100.9
39	60.3	46.5	69.7





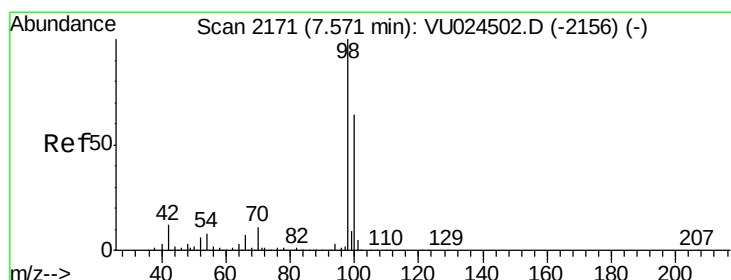
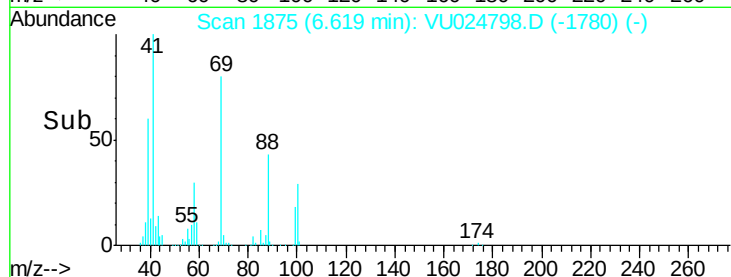
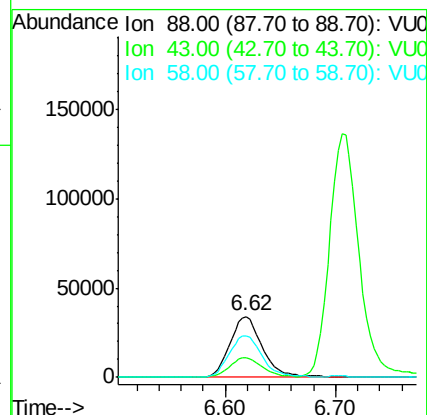
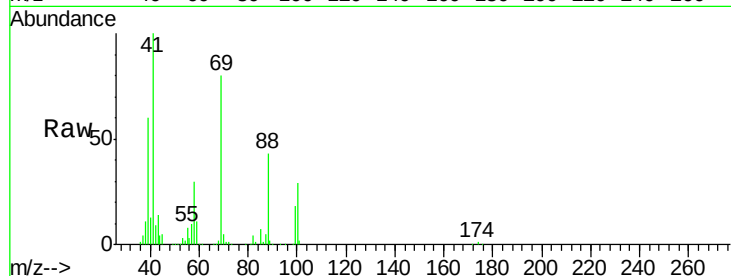
#49
1,4-Dioxane
Concen: 1204.01 ug/l
RT: 6.62 min Scan# 1875
Delta R.T. 0.01 min
Lab File: VU024798.D
Acq: 21 Jun 2018 08:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.7	28.6	42.8
58	70.4	58.2	87.4

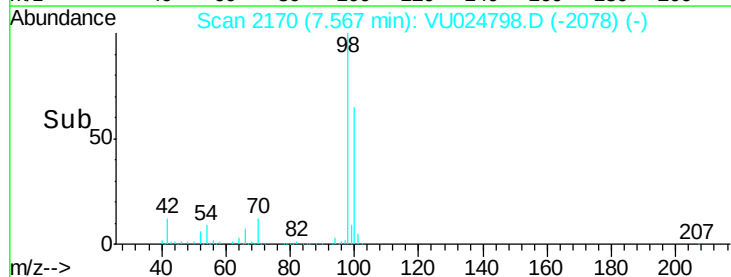
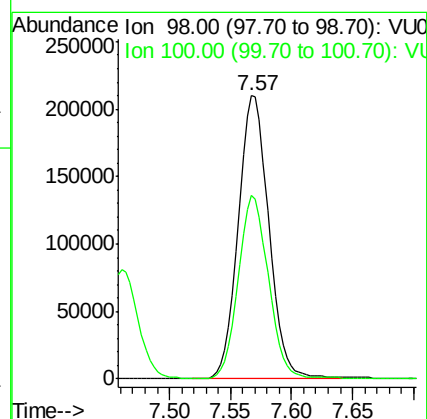
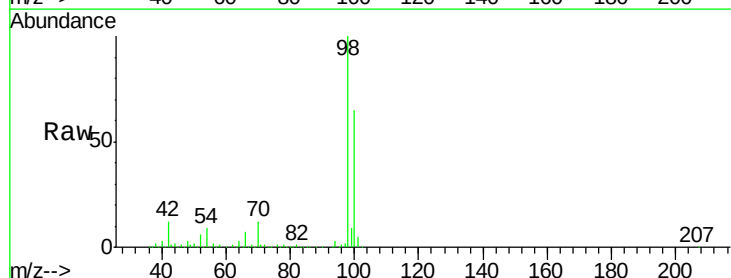
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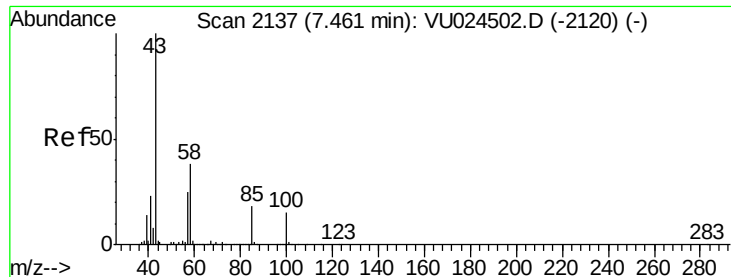
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#50
Toluene-d8
Concen: 44.83 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024798.D
Acq: 21 Jun 2018 08:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 251.86 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 944640

Ion Ratio Lower Upper

43 100

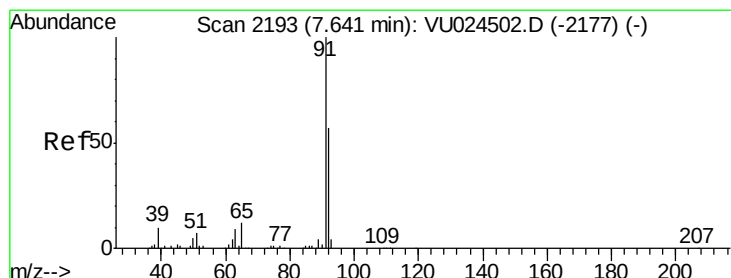
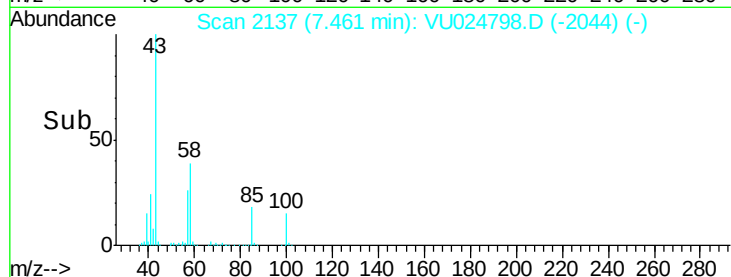
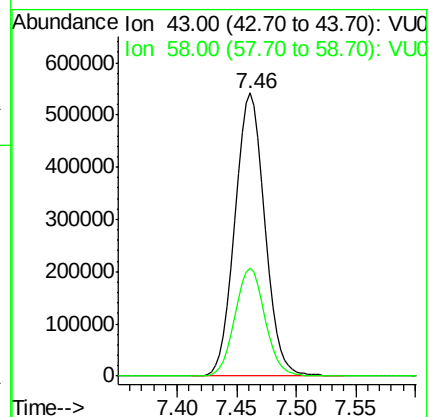
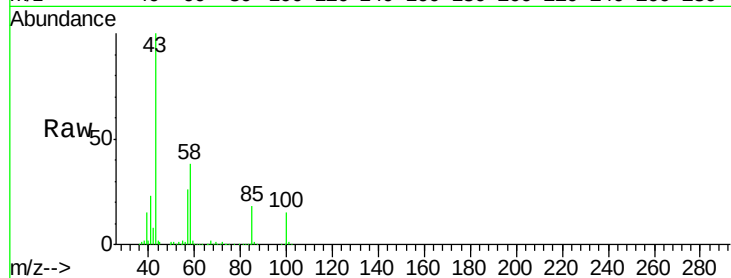
58 38.4 30.0 45.0

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#52

Toluene

Concen: 51.09 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024798.D

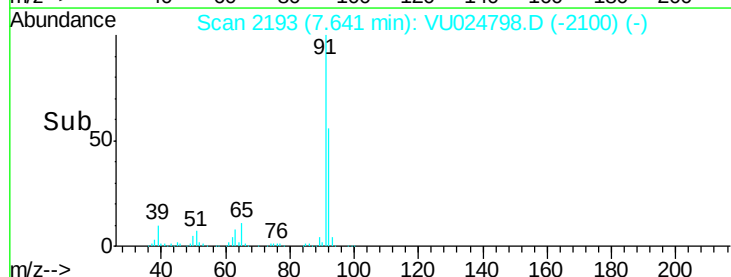
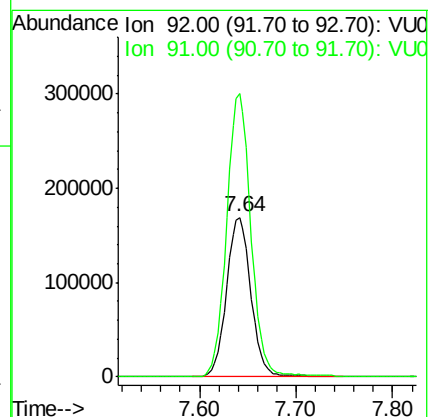
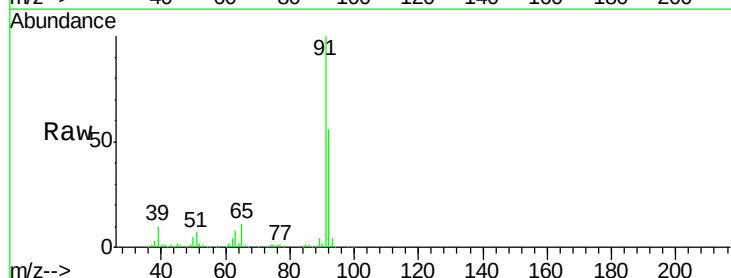
Acq: 21 Jun 2018 08:30

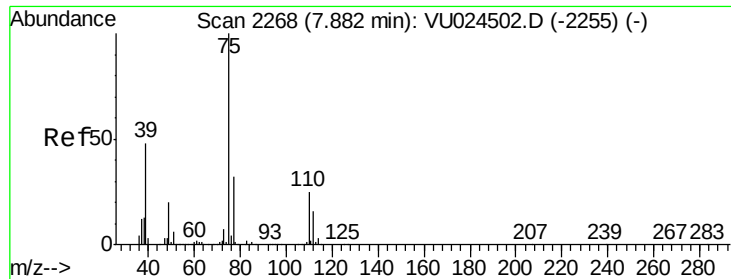
Tgt Ion: 92 Resp: 296813

Ion Ratio Lower Upper

92 100

91 175.9 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 46.99 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 177822

Ion Ratio Lower Upper

75 100

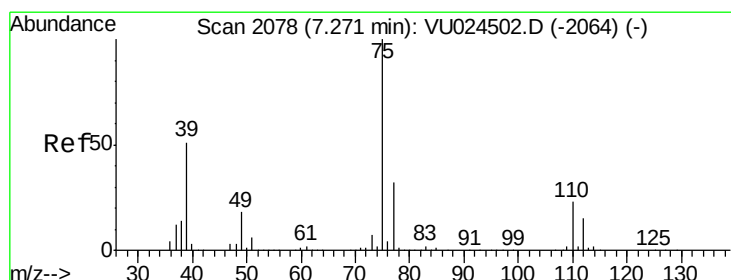
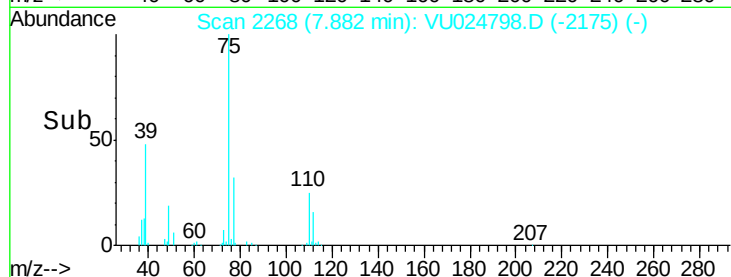
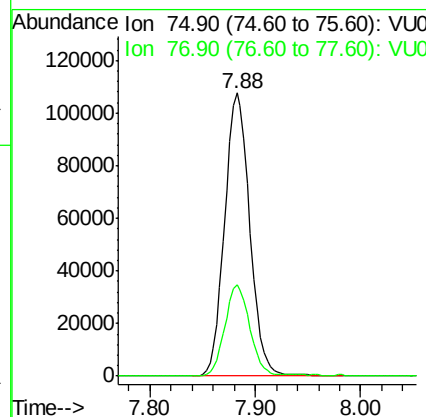
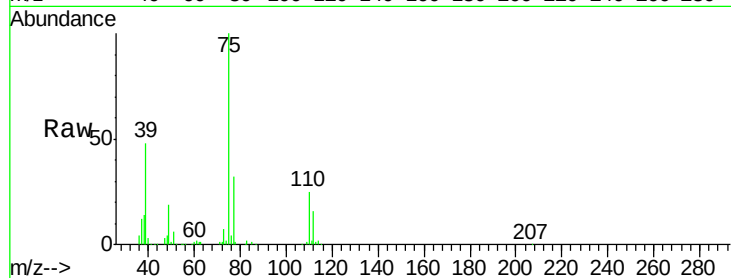
77 32.4 24.8 37.2

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#54

cis-1,3-Dichloropropene

Concen: 46.08 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

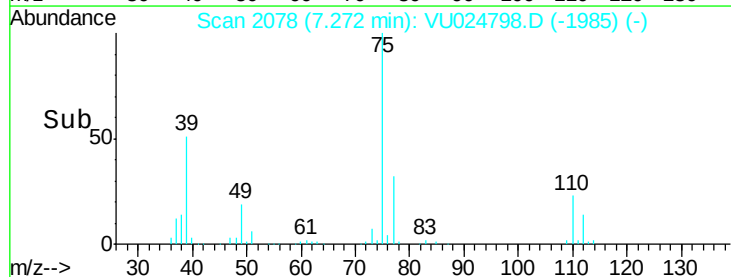
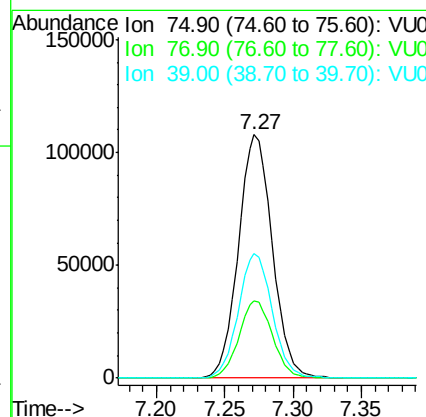
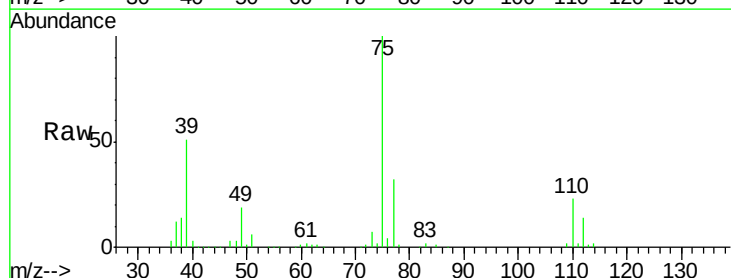
Tgt Ion: 75 Resp: 185814

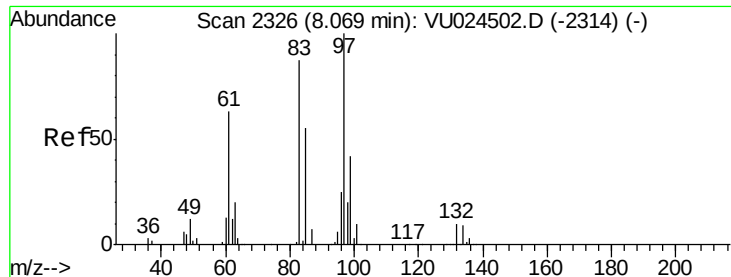
Ion Ratio Lower Upper

75 100

77 32.0 24.6 36.8

39 51.1 39.8 59.6





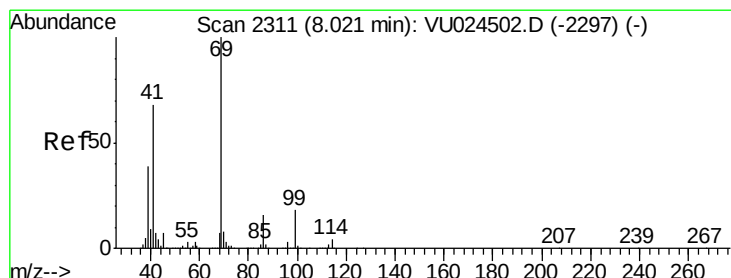
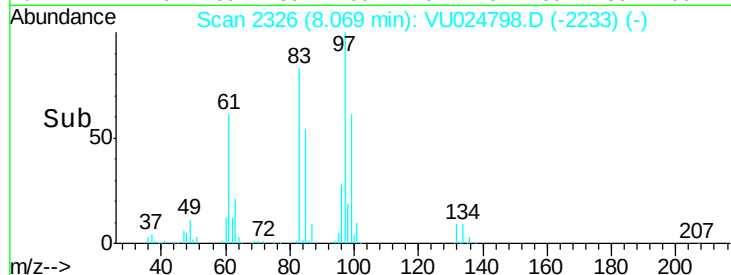
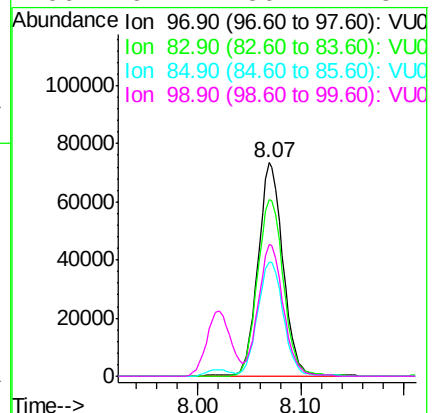
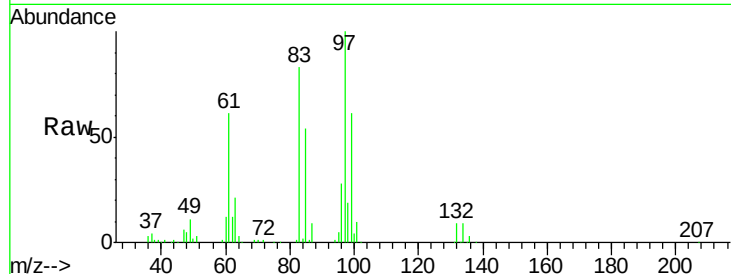
#55
 1,1,2-Trichloroethane
 Concen: 52.24 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024798.D
 Acq: 21 Jun 2018 08:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	123369
Ion	Ratio	Lower	Upper
97	100		
83	82.8	70.5	105.7
85	53.4	46.4	69.6
99	61.2	50.2	75.2

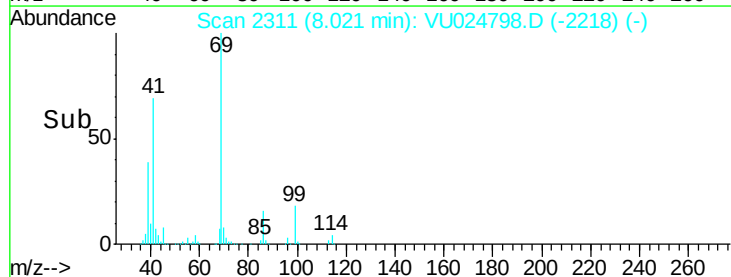
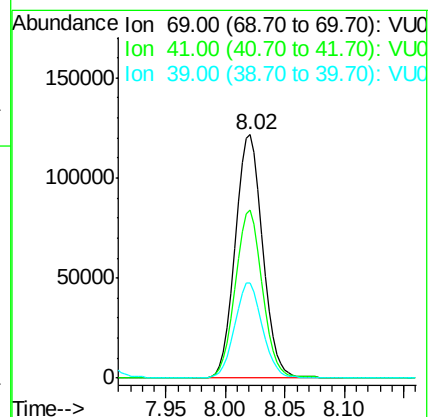
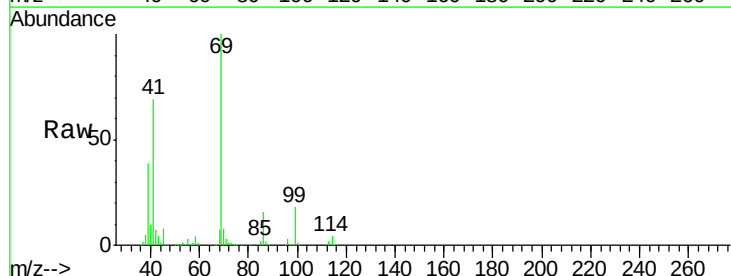
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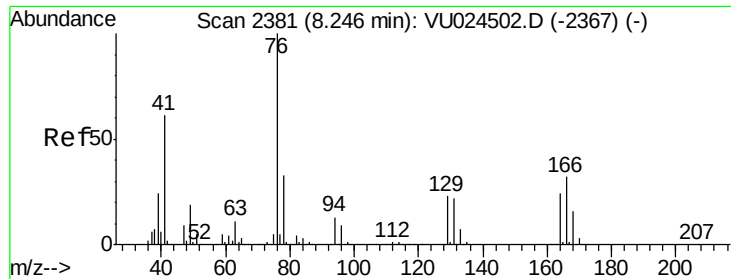
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#56
 Ethyl methacrylate
 Concen: 49.41 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024798.D
 Acq: 21 Jun 2018 08:30

Tgt Ion:	69	Resp:	195265
Ion	Ratio	Lower	Upper
69	100		
41	68.0	54.1	81.1
39	39.1	30.3	45.5





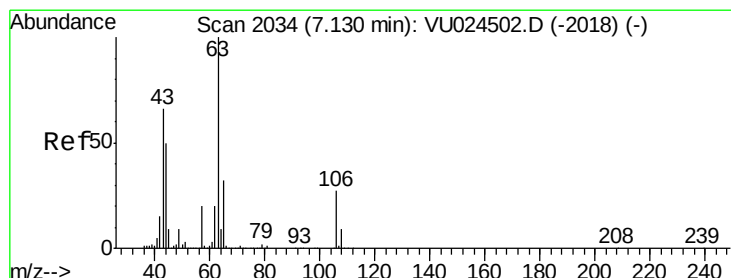
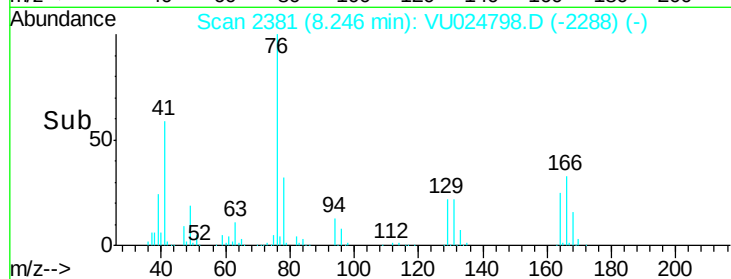
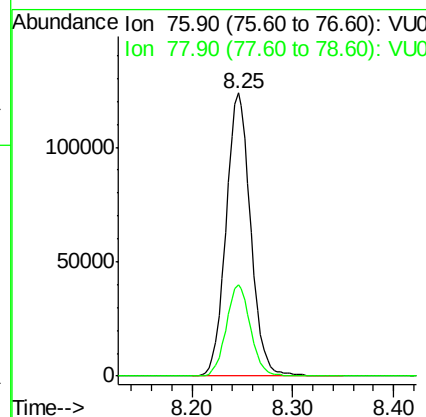
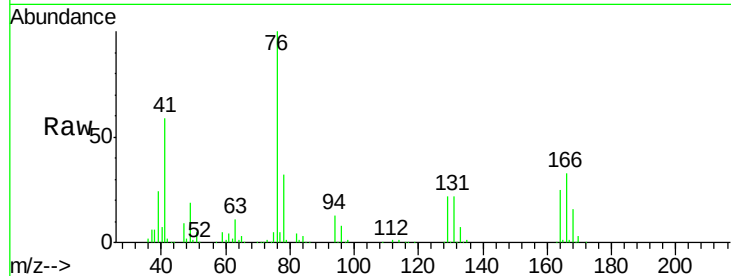
#57
 1,3-Dichloropropane
 Concen: 52.76 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU024798.D
 Acq: 21 Jun 2018 08:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 210180
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.2 37.8

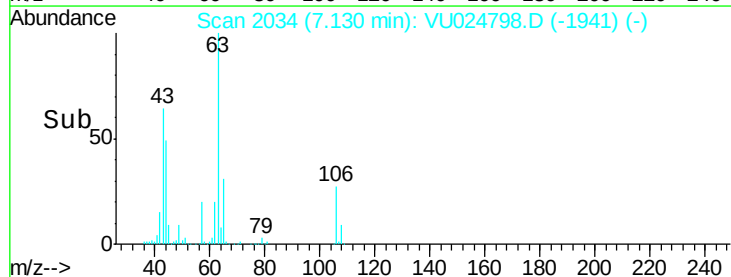
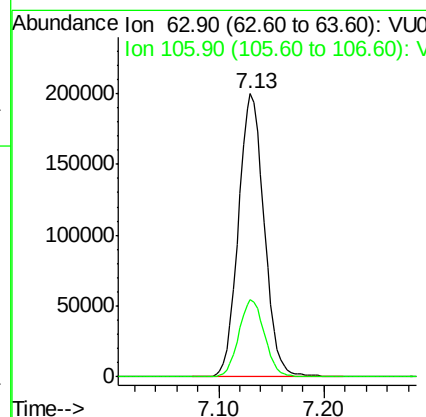
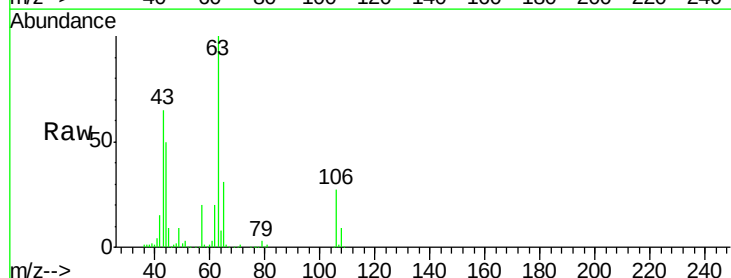
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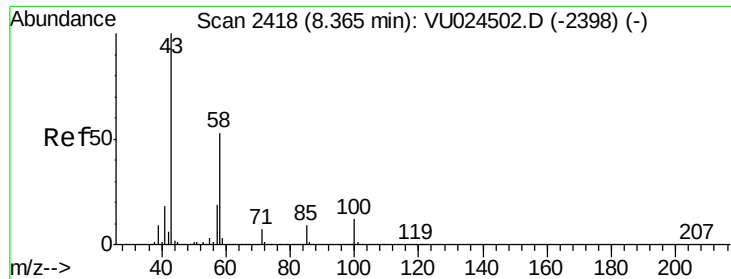
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#58
 2-Chloroethyl Vinyl ether
 Concen: 223.03 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU024798.D
 Acq: 21 Jun 2018 08:30

Tgt Ion: 63 Resp: 337701
 Ion Ratio Lower Upper
 63 100
 106 27.3 20.2 30.2





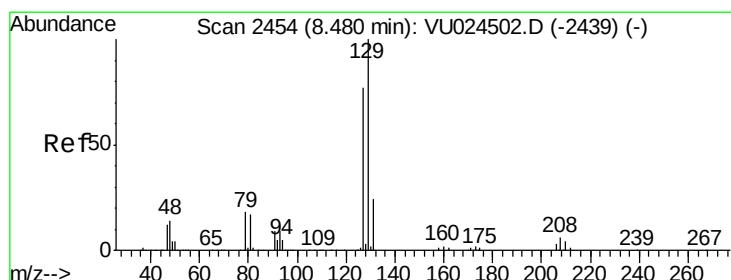
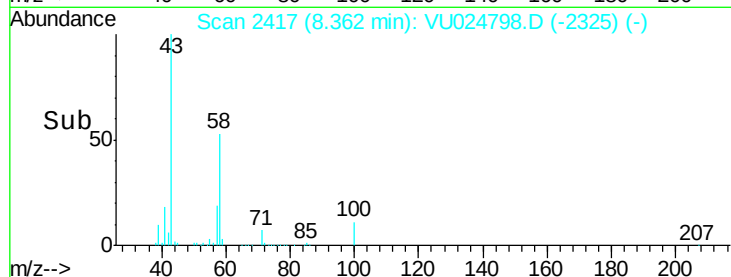
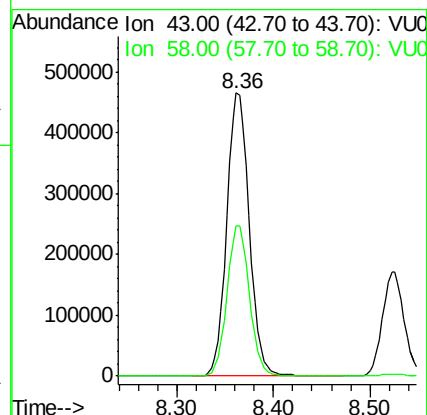
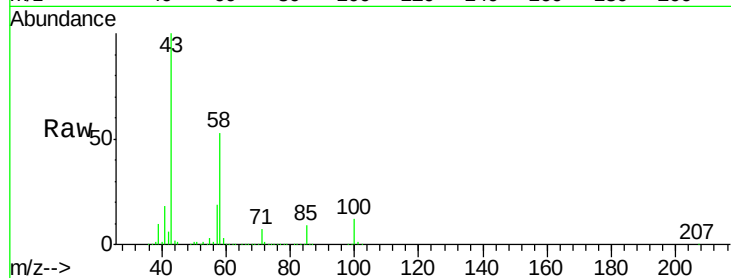
#59
2-Hexanone
Concen: 245.74 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU024798.D
Acq: 21 Jun 2018 08:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.4	79.0

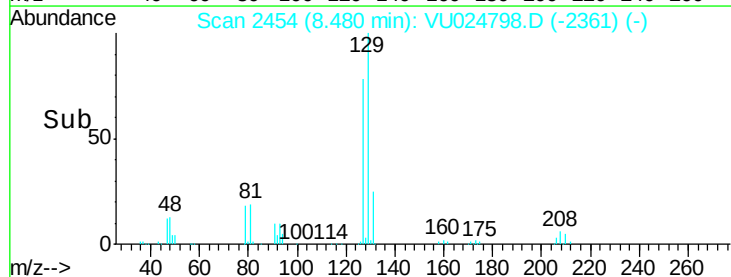
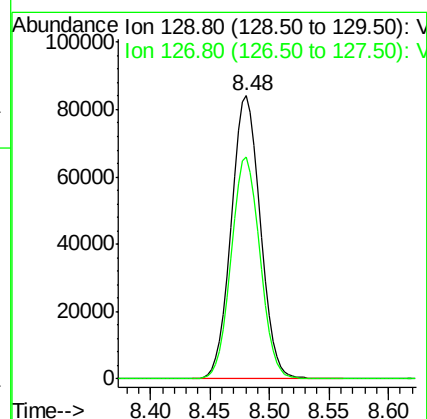
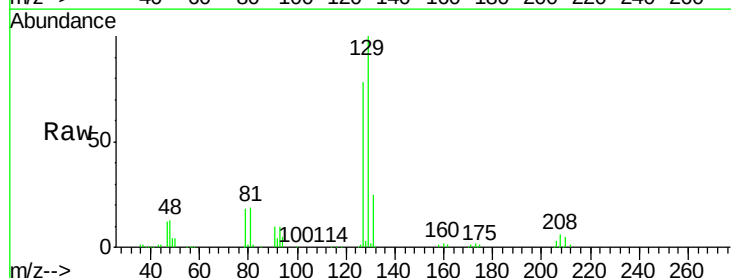
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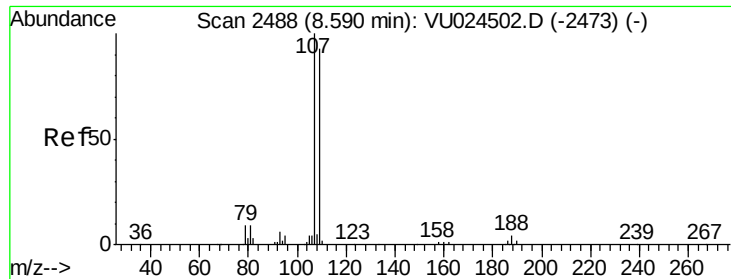
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#60
Dibromochloromethane
Concen: 48.55 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024798.D
Acq: 21 Jun 2018 08:30

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.6	116.0





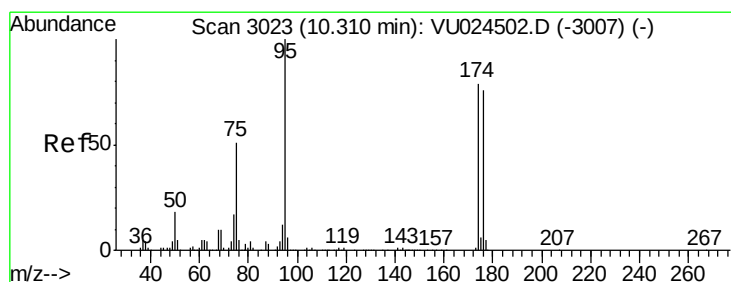
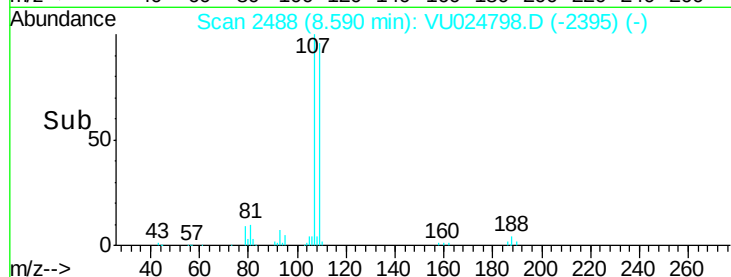
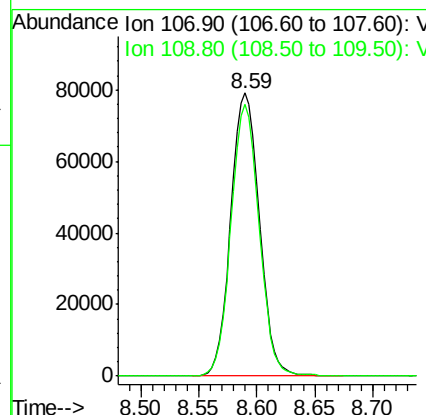
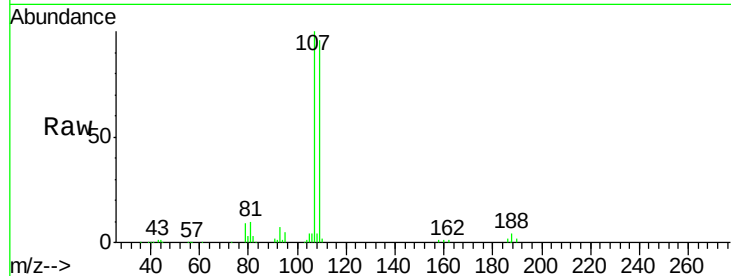
#61
 1,2-Dibromoethane
 Concen: 51.55 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU024798.D
 Acq: 21 Jun 2018 08:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	74.5	111.7

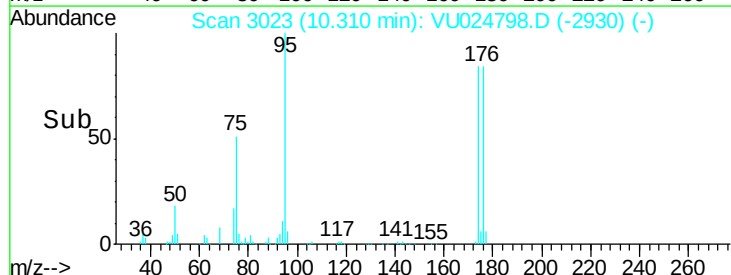
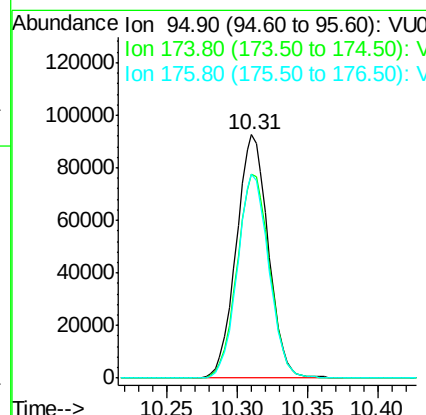
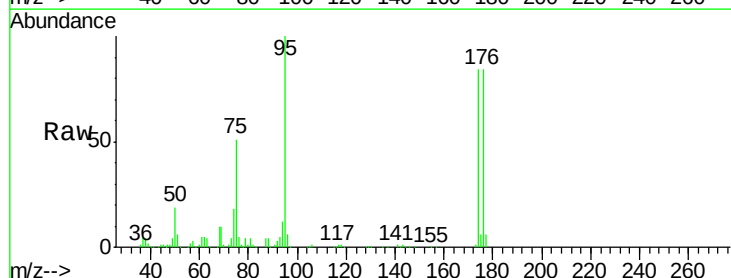
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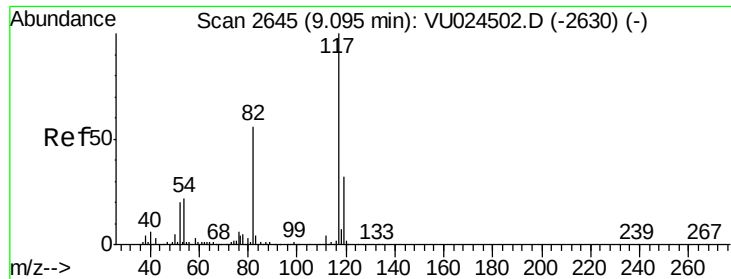
apatel
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#62
 4-Bromofluorobenzene
 Concen: 45.41 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU024798.D
 Acq: 21 Jun 2018 08:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.7	0.0	165.8
176	82.4	0.0	159.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Instrument :

MSVOA_U

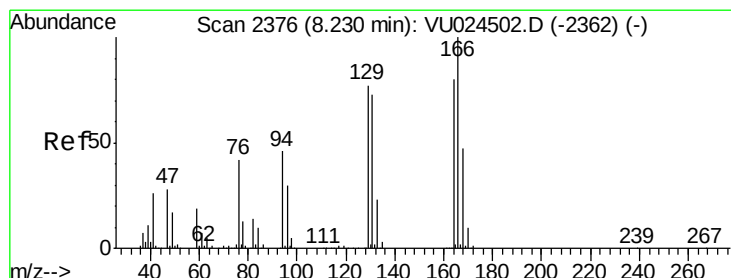
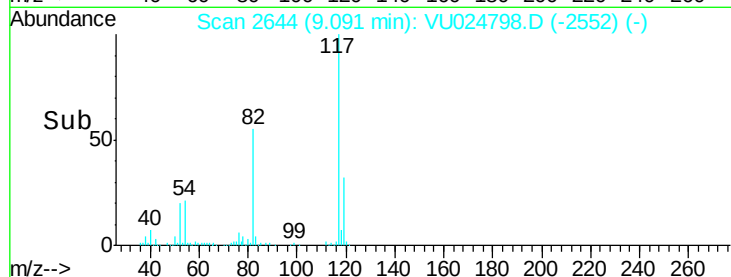
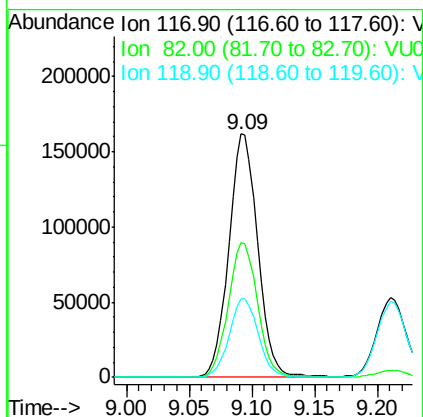
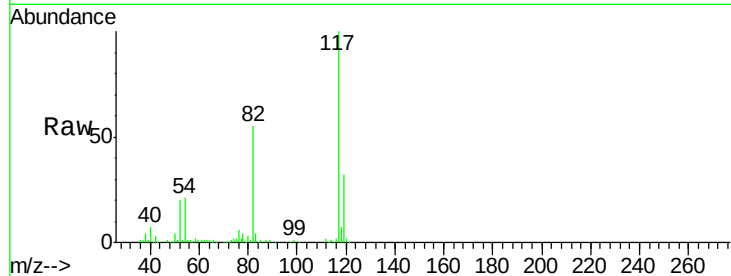
ClientSampleId :

VSTDCCC050EC

Tot Ion:	117	Resp:	260101
Ion Ratio	Lower	Upper	
117	100		
82	55.3	44.3	66.5
119	32.1	25.4	38.2

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#64

Tetrachloroethene

Concen: 52.56 ug/l

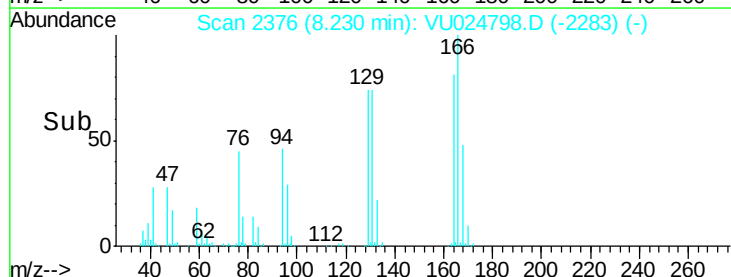
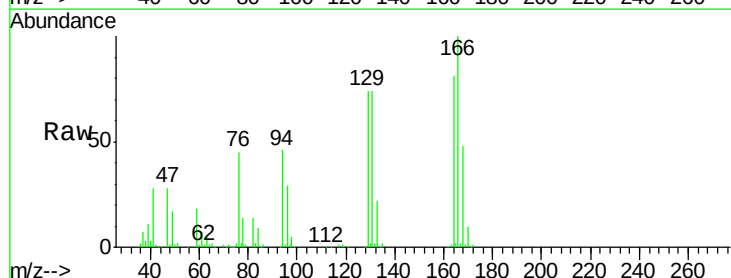
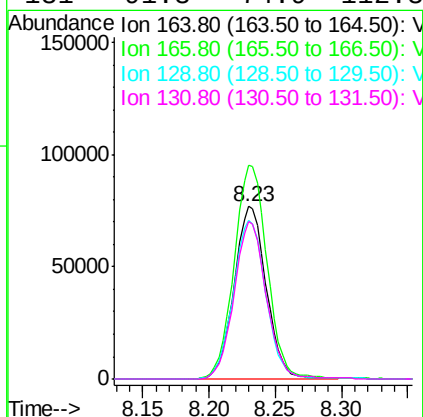
RT: 8.23 min Scan# 2376

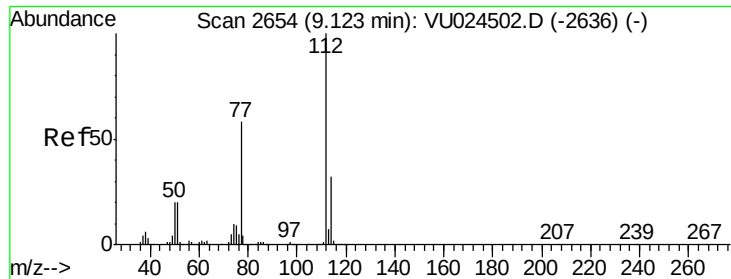
Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Tgt Ion:	164	Resp:	129941
Ion Ratio	Lower	Upper	
164	100		
166	123.9	101.7	152.5
129	92.2	76.9	115.3
131	91.3	74.9	112.3





#65

Chlorobenzene

Concen: 51.45 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 341866

Ion Ratio Lower Upper

112 100

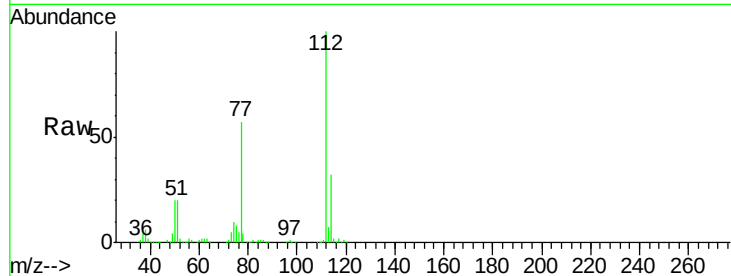
114 32.0 25.6 38.4

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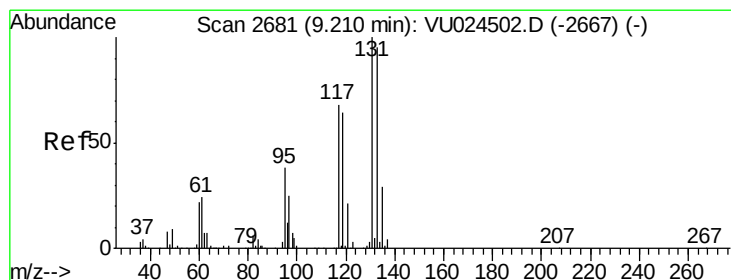
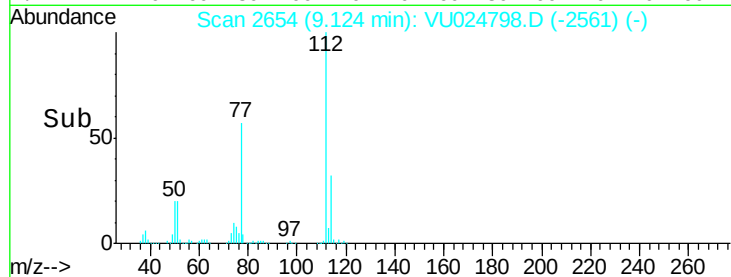
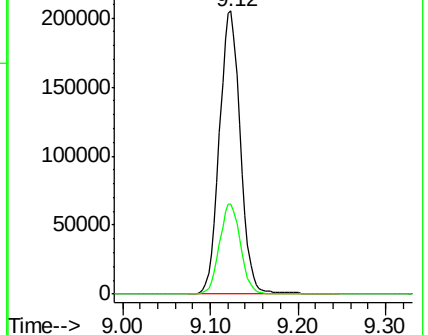
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.48 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

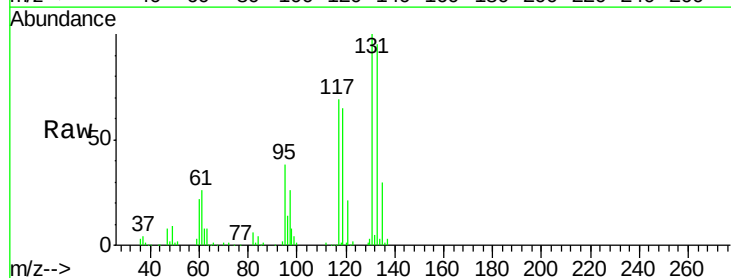
Tgt Ion:131 Resp: 127432

Ion Ratio Lower Upper

131 100

133 96.1 46.9 140.8

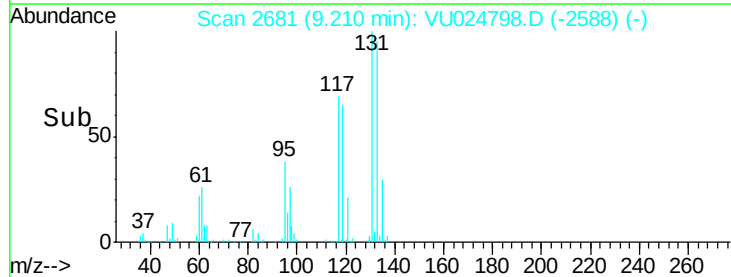
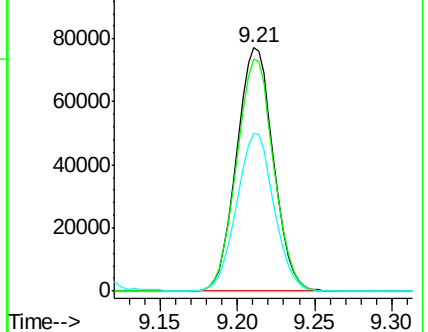
119 65.8 33.5 100.4

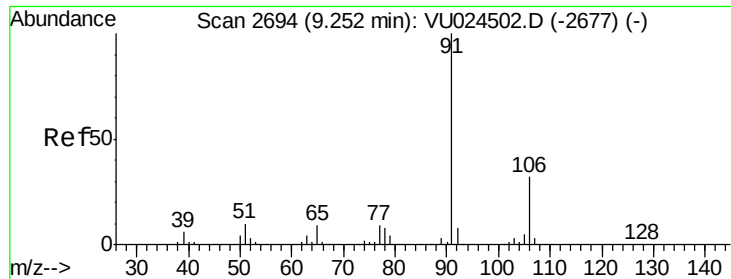


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





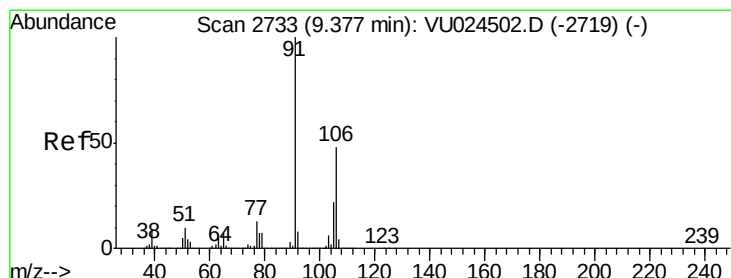
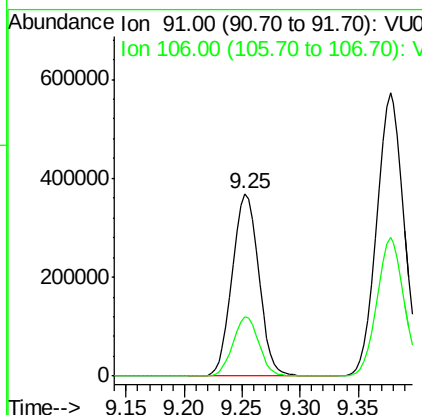
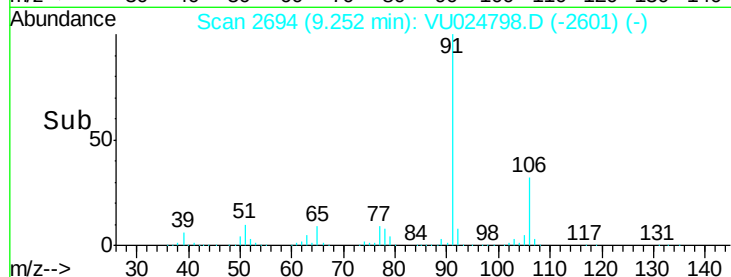
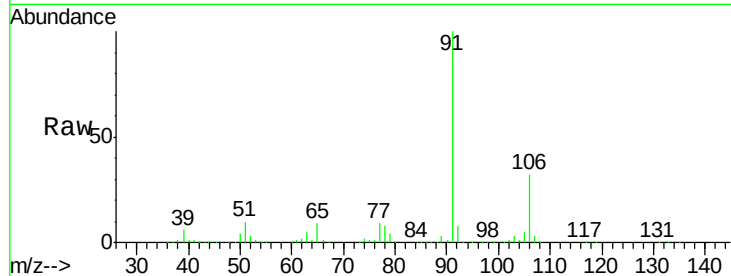
#67
Ethyl Benzene
Concen: 50.27 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU024798.D
Acq: 21 Jun 2018 08:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 585624
Ion Ratio Lower Upper
91 100
106 32.4 24.2 36.4

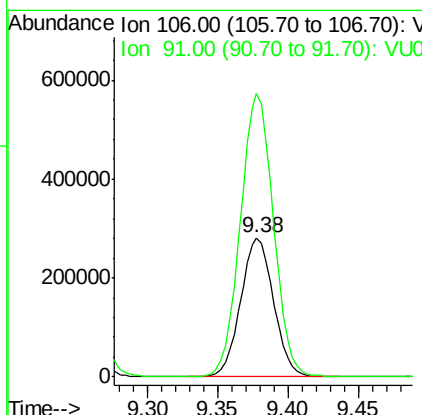
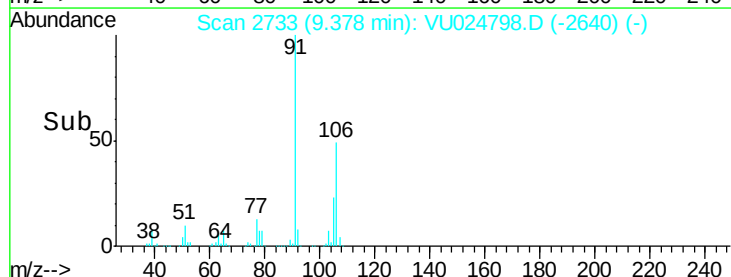
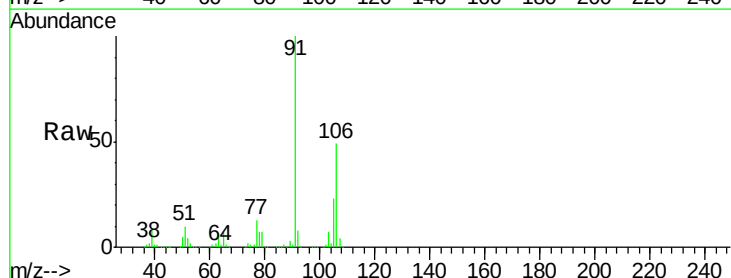
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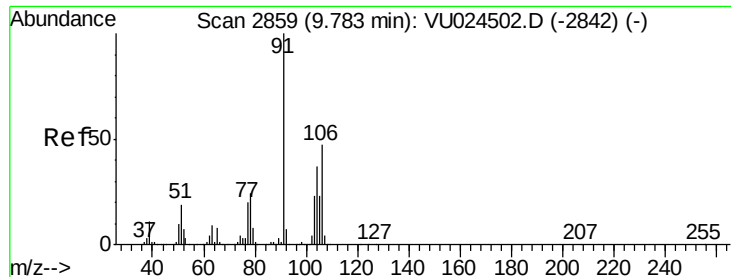
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#68
m/p-Xylenes
Concen: 102.58 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU024798.D
Acq: 21 Jun 2018 08:30

Tgt Ion: 106 Resp: 458822
Ion Ratio Lower Upper
106 100
91 204.4 166.5 249.7





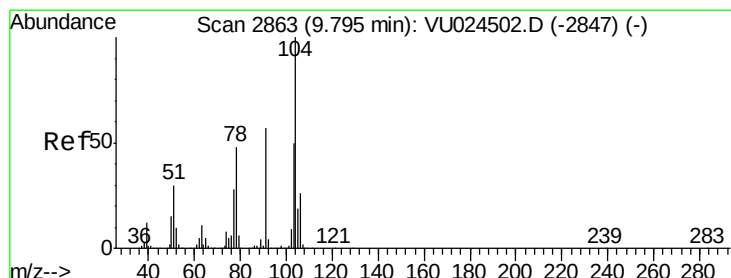
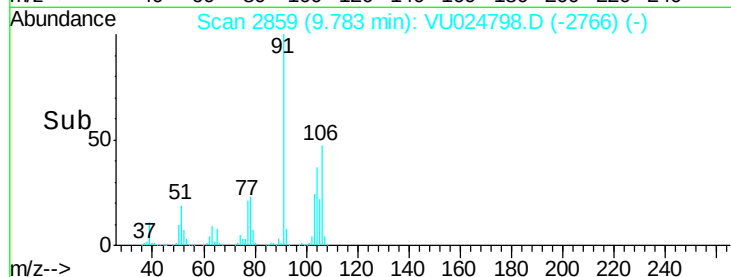
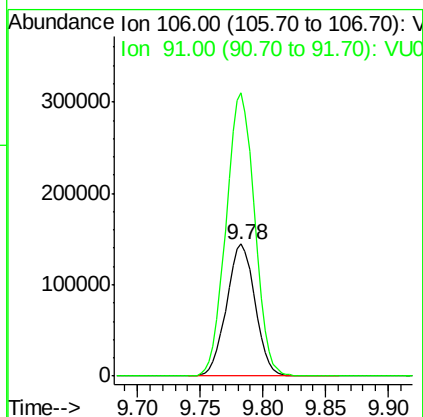
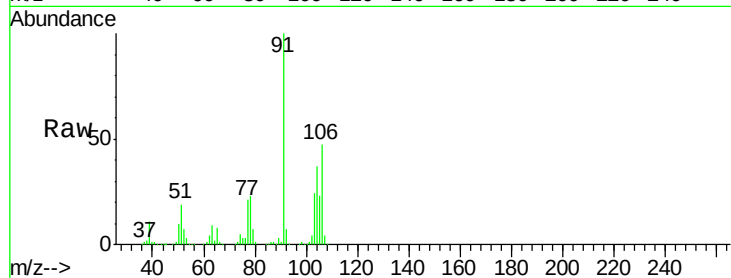
#69
o-Xylene
Concen: 51.60 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024798.D
Acq: 21 Jun 2018 08:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	214.4	110.7	331.9

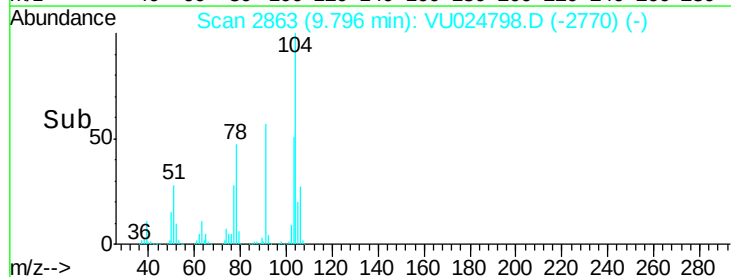
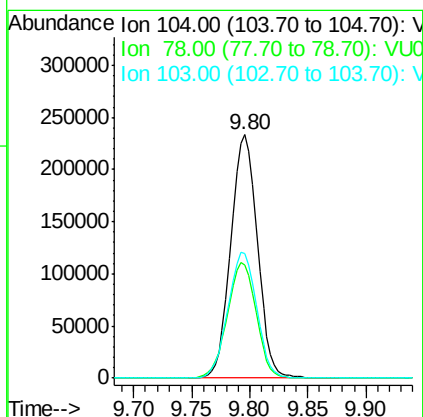
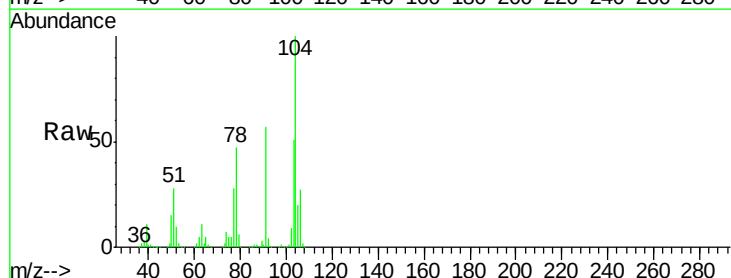
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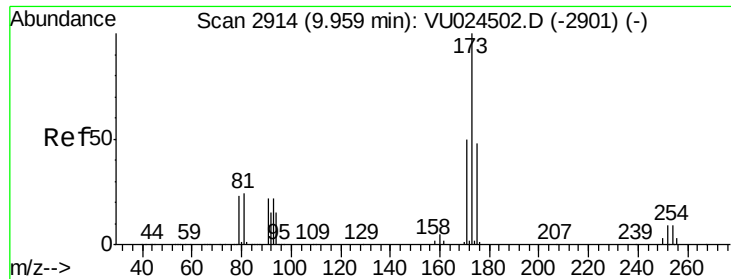
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#70
Styrene
Concen: 50.81 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024798.D
Acq: 21 Jun 2018 08:30

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	51.6	40.6	60.8
103	103	55.9	44.7	67.1





#71

Bromoform

Concen: 48.05 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Instrument :

MSVOA_U

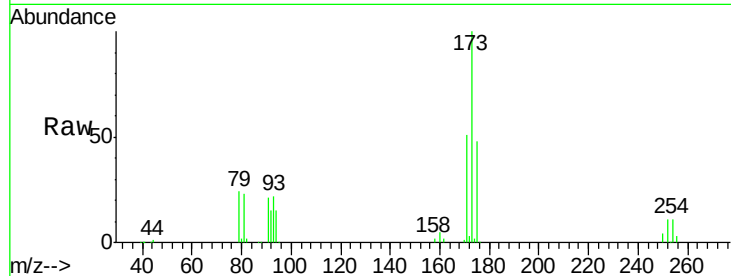
ClientSampleId :

VSTDCCC050EC

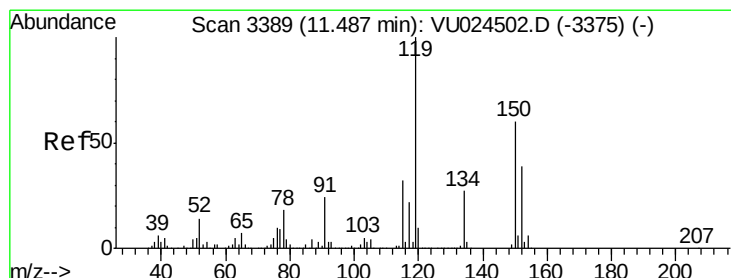
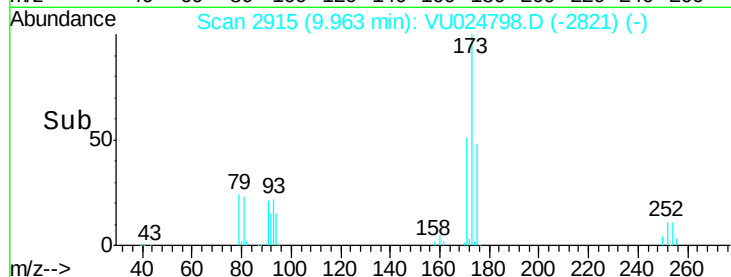
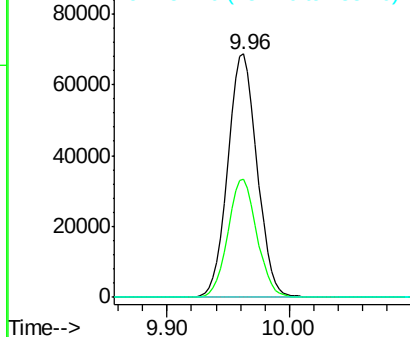
Tot Ion:	173	Resp:	115299
Ion Ratio	Lower	Upper	
173	100		
175	48.0	24.6	74.0
254	0.0	0.0	0.0#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

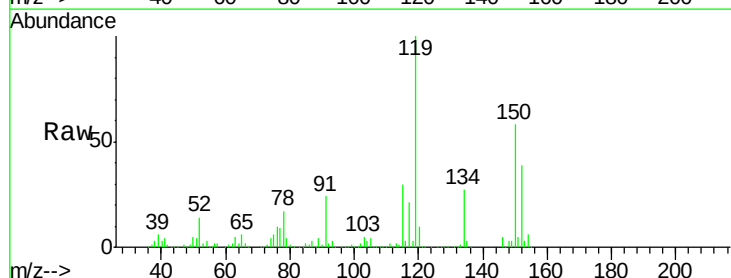
RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

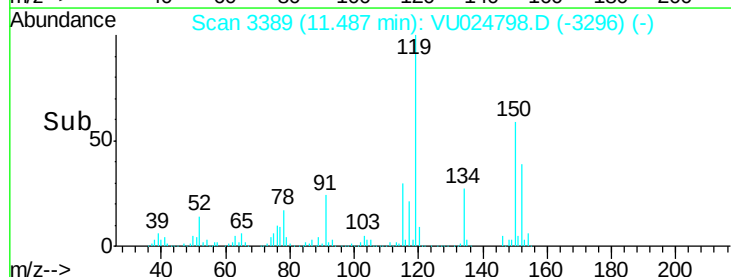
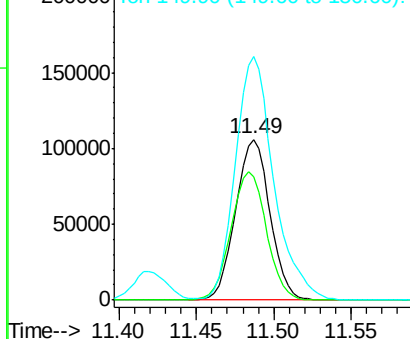
Lab File: VU024798.D

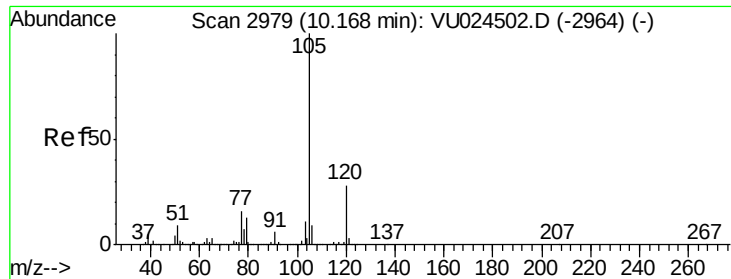
Acq: 21 Jun 2018 08:30

Tgt Ion:	152	Resp:	163357
Ion Ratio	Lower	Upper	
152	100		
115	82.2	43.0	129.0
150	170.1	0.0	354.0



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: 48.68 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 610487

Ion Ratio Lower Upper

105 100

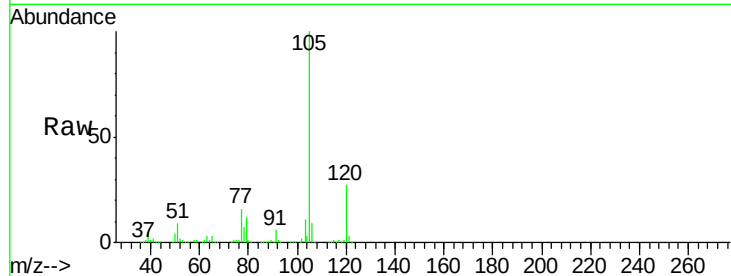
120 27.0 13.2 39.6

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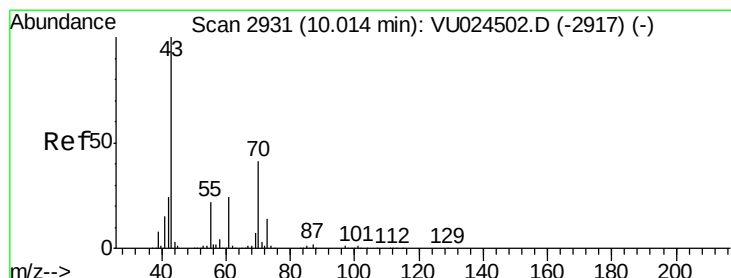
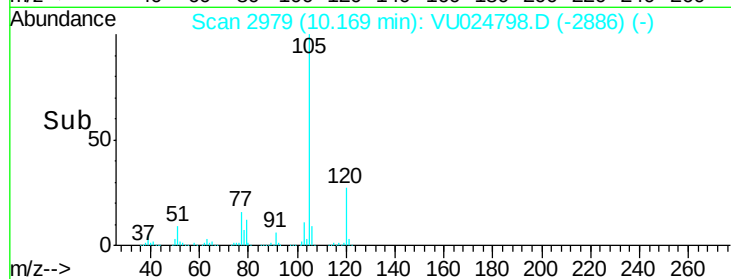
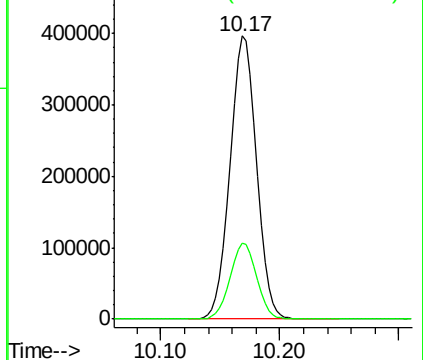
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.70 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Tgt Ion: 43 Resp: 272601

Ion Ratio Lower Upper

43 100

70 41.5 32.2 48.4

55 23.7 20.5 30.7

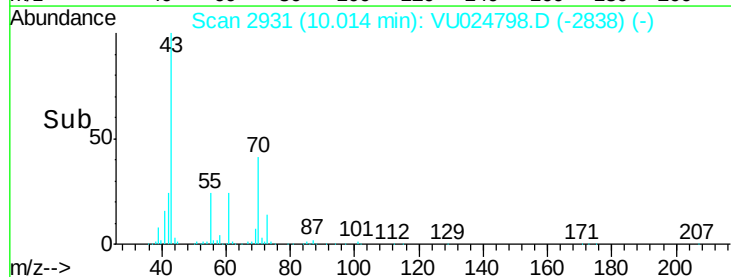
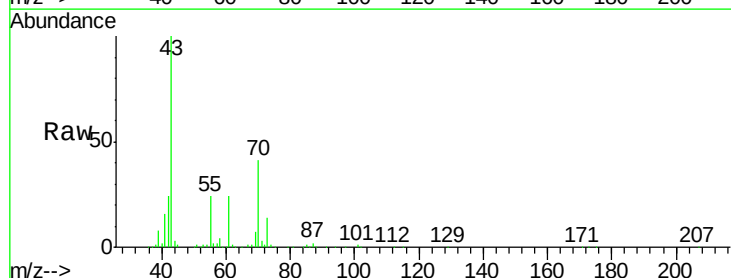
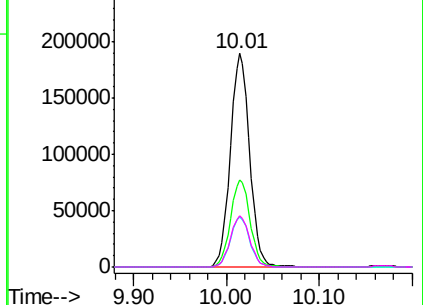
61 24.2 18.7 28.1

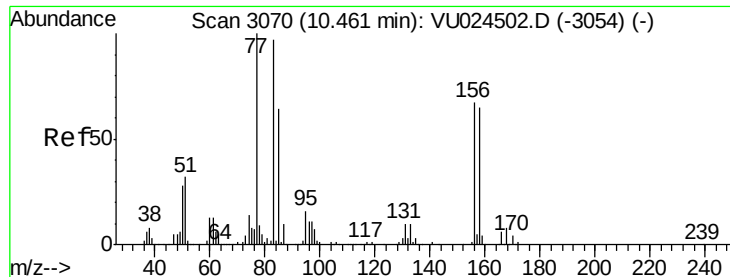
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.90 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 205537

Ion Ratio Lower Upper

83 100

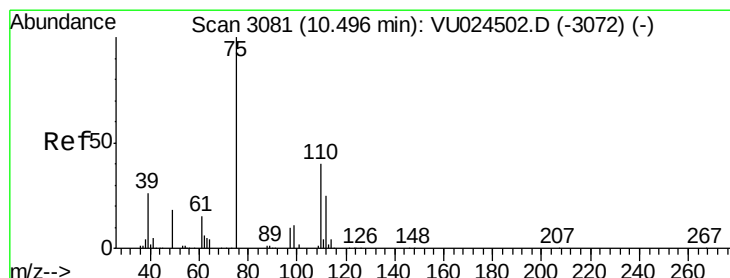
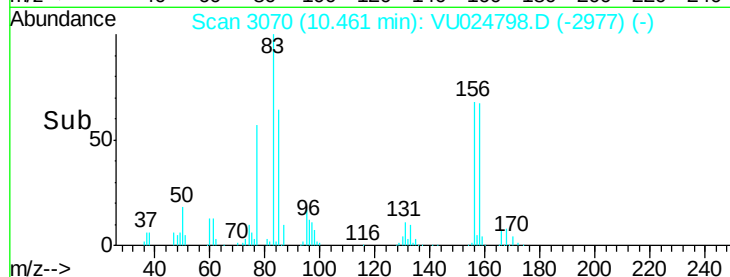
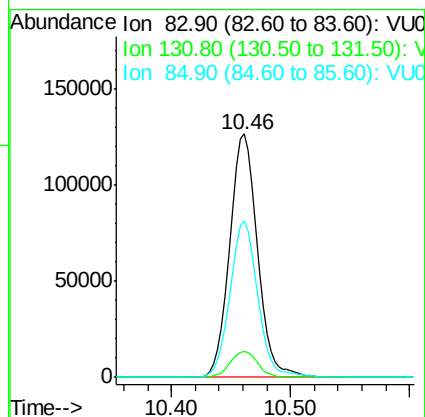
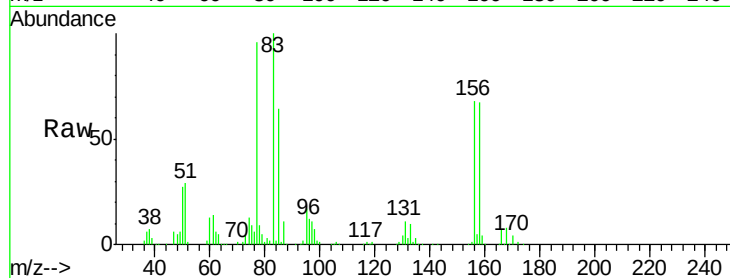
131 10.4 4.7 14.1

85 64.2 32.5 97.5

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#76

1,2,3-Trichloropropane

Concen: 47.99 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024798.D

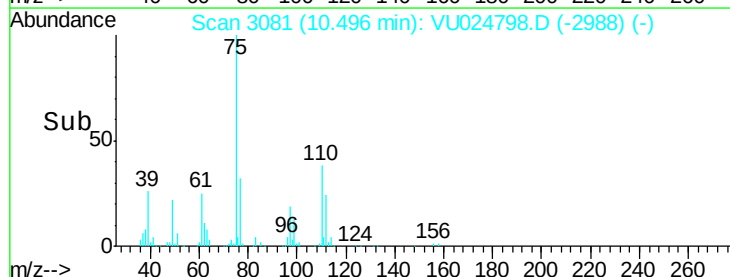
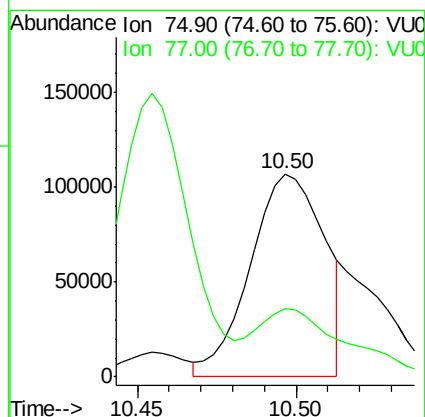
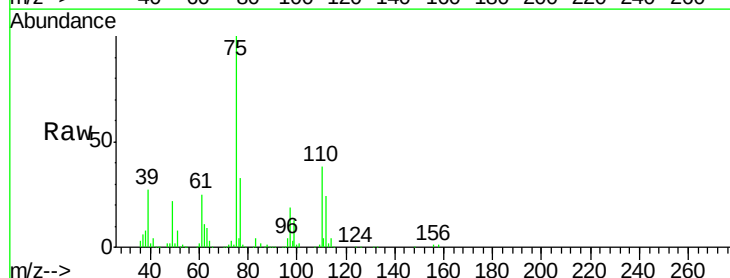
Acq: 21 Jun 2018 08:30

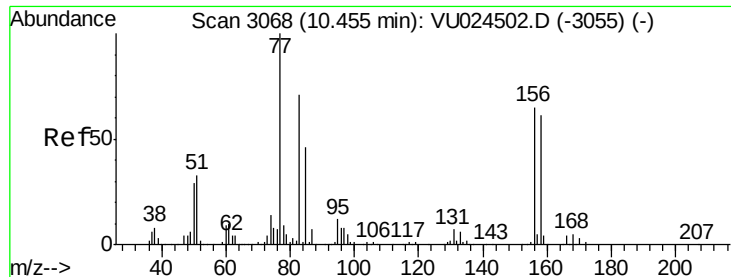
Tgt Ion: 75 Resp: 172593

Ion Ratio Lower Upper

75 100

77 40.0 20.9 62.7





#77

Bromobenzene

Concen: 49.36 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Instrument :

MSVOA_U

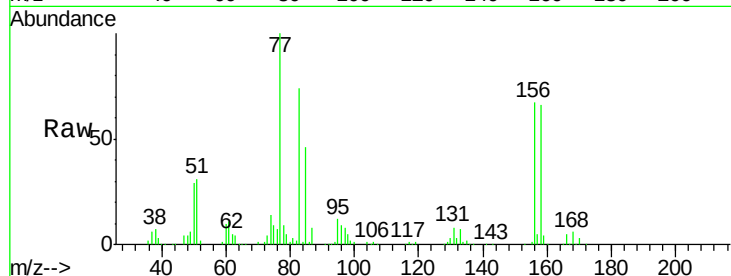
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	156725
Ion Ratio	Lower	Upper	
156	100		
77	150.5	80.5	241.3
158	99.3	48.2	144.6

Manual Integrations
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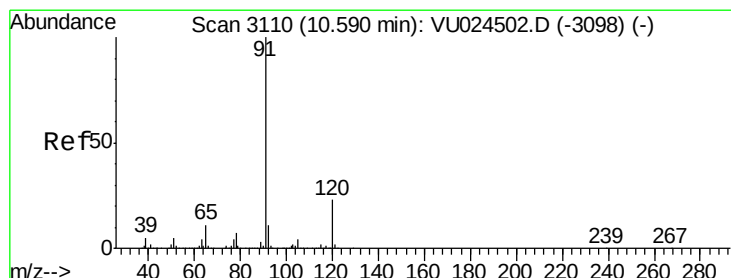
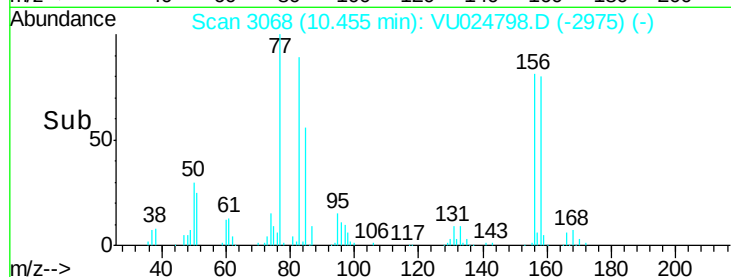
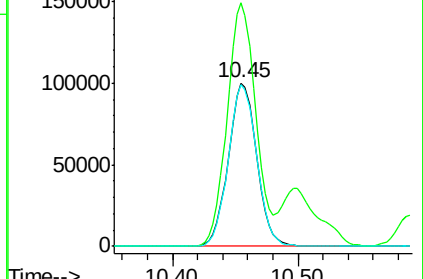
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.50 ug/l

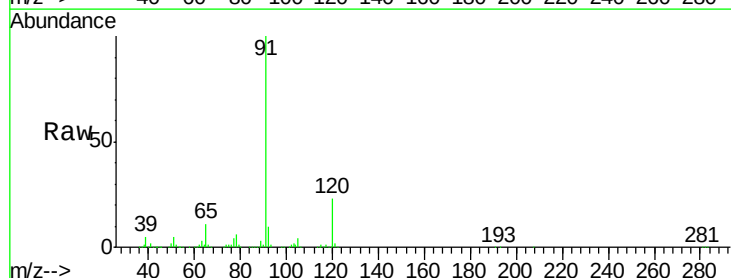
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU024798.D

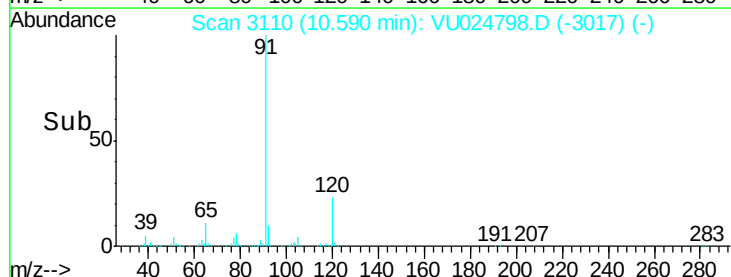
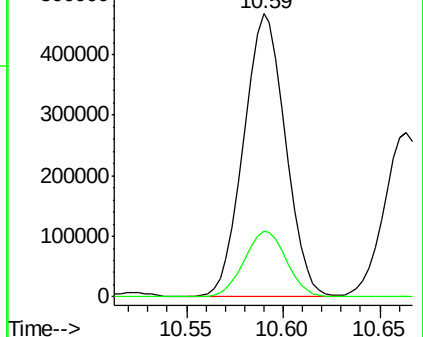
Acq: 21 Jun 2018 08:30

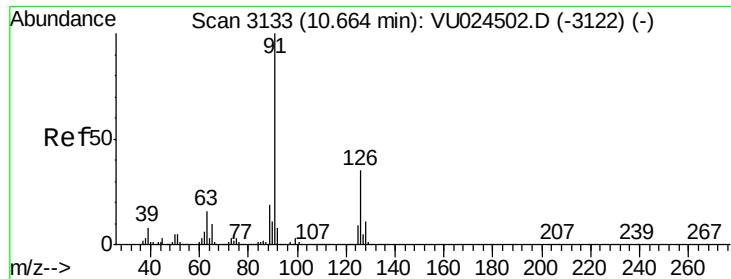
Tgt Ion:	91	Resp:	701847
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.93 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 417590

Ion Ratio Lower Upper

91 100

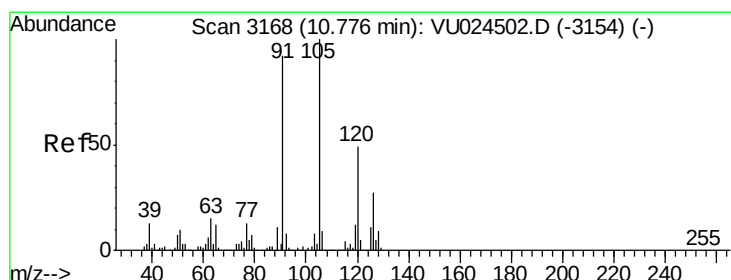
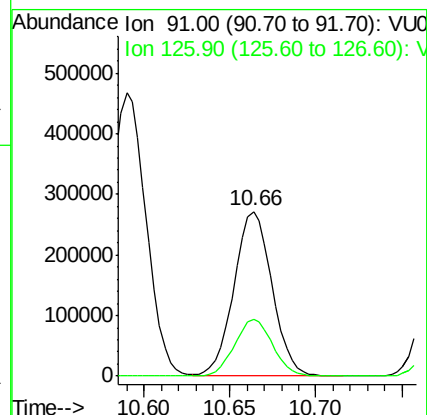
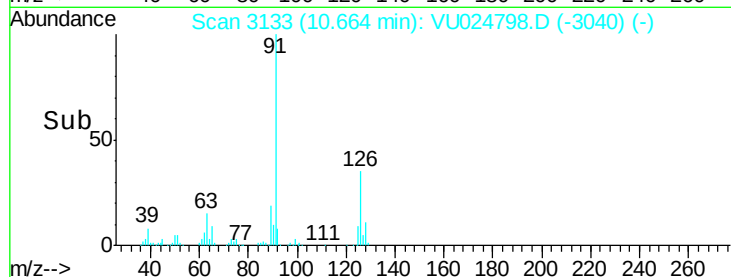
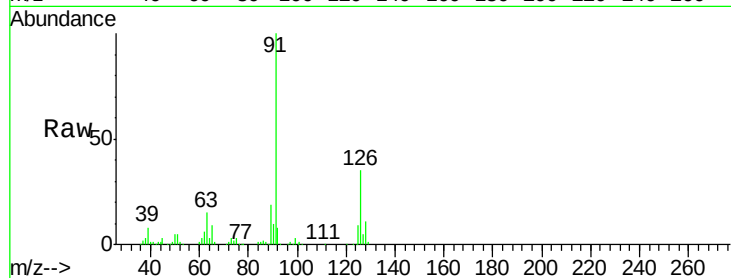
126 34.7 16.9 50.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.19 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024798.D

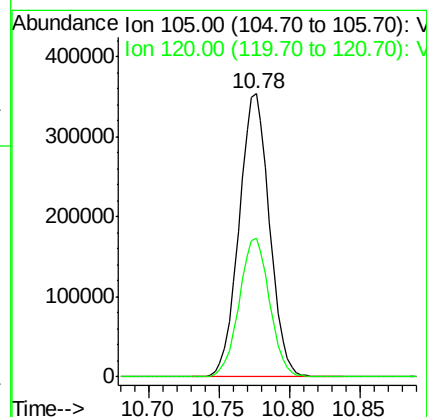
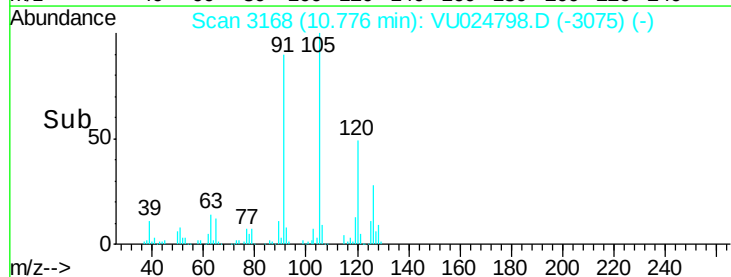
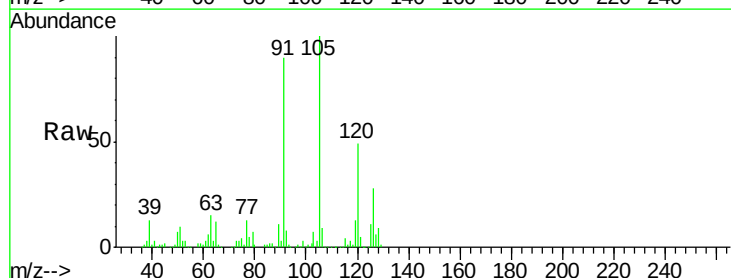
Acq: 21 Jun 2018 08:30

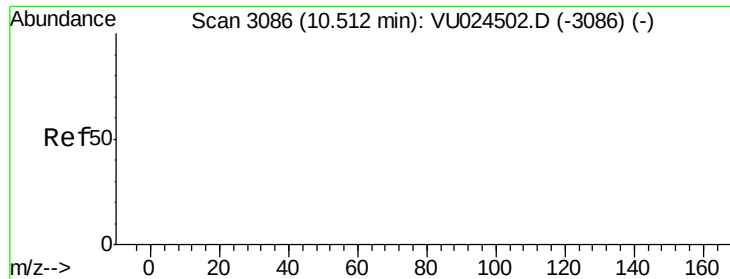
Tgt Ion: 105 Resp: 534731

Ion Ratio Lower Upper

105 100

120 48.9 24.1 72.2





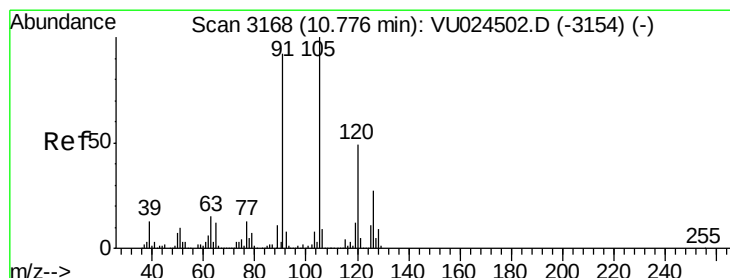
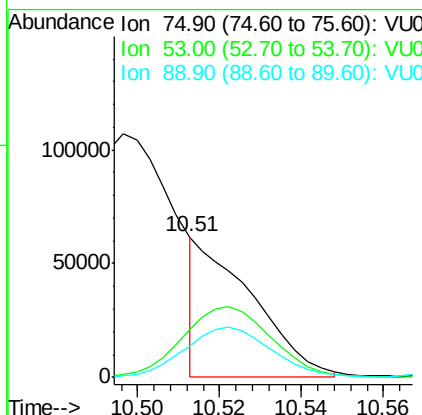
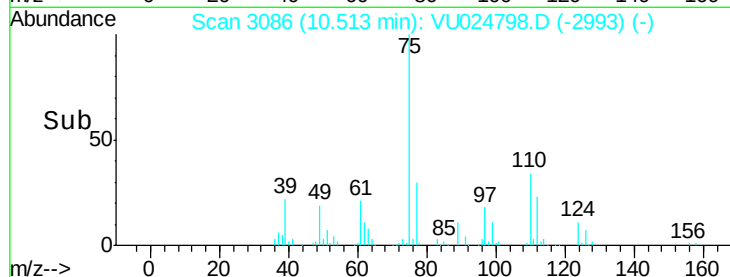
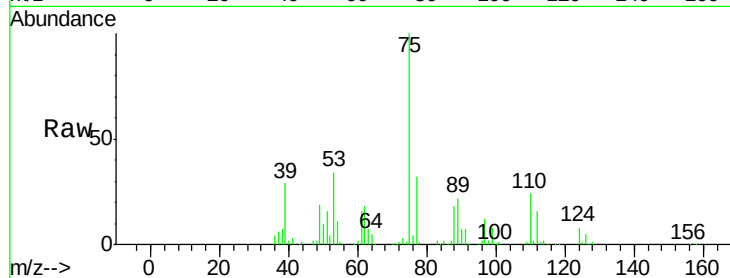
#81
trans-1,4-Dichloro-2-butene
Concen: 37.53 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VU024798.D
Acq: 21 Jun 2018 08:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

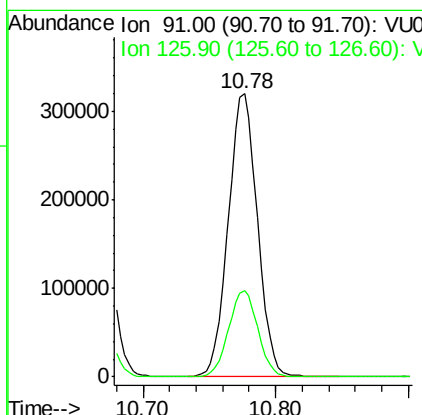
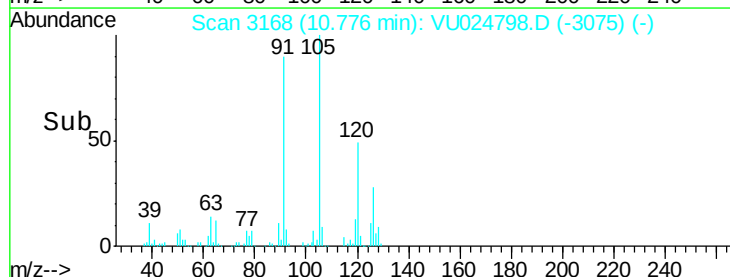
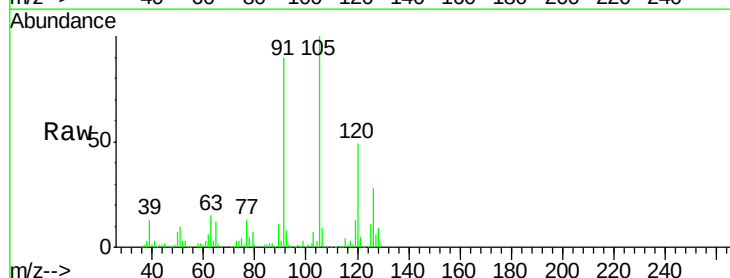
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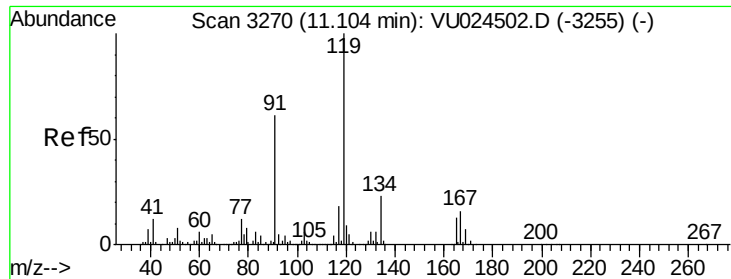
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#82
4-Chlorotoluene
Concen: 48.05 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU024798.D
Acq: 21 Jun 2018 08:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	14.9	44.9





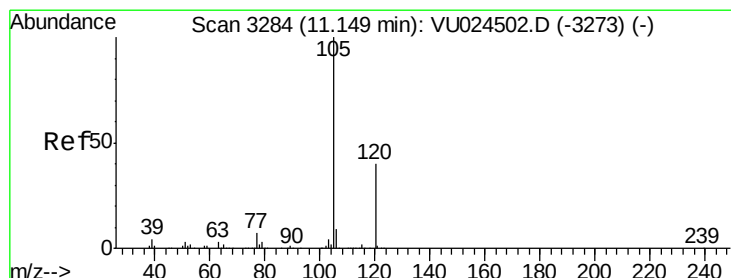
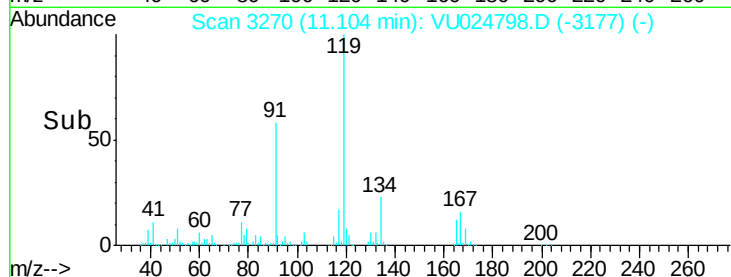
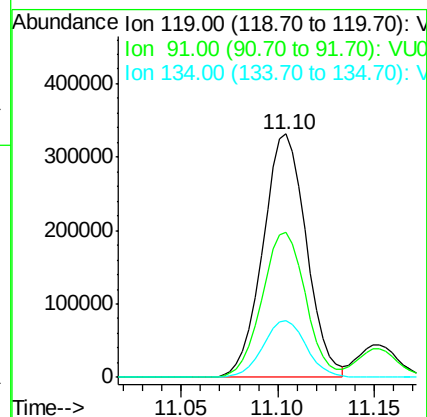
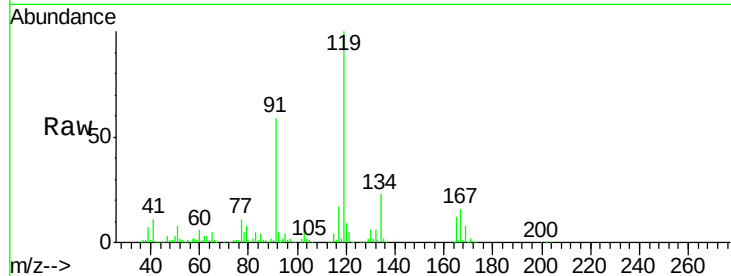
#83
 tert-Butylbenzene
 Concen: 49.65 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU024798.D
 Acq: 21 Jun 2018 08:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	519151		
91	60.0	29.7	89.1	
134	23.3	11.6	34.7	

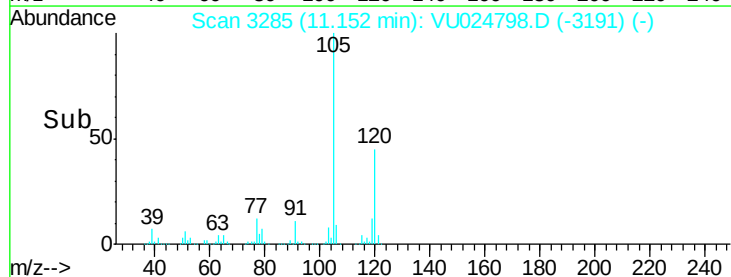
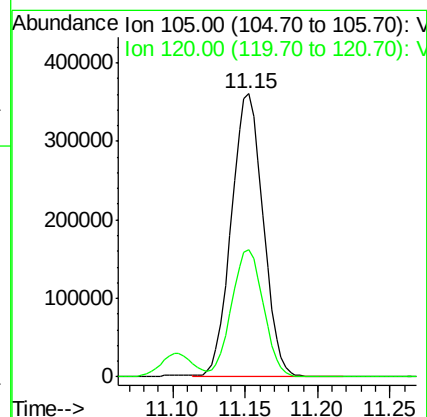
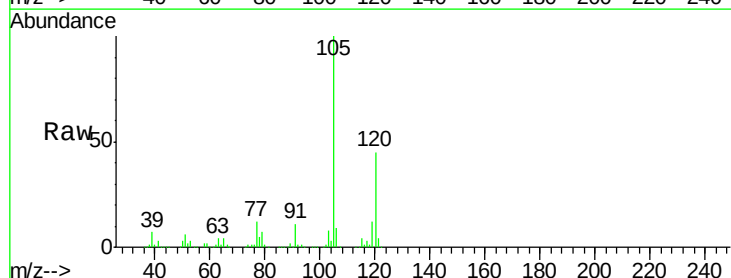
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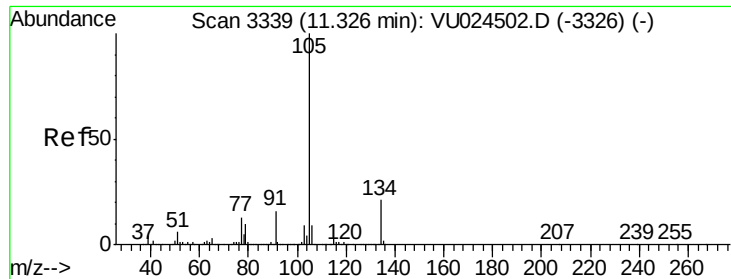
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.42 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024798.D
 Acq: 21 Jun 2018 08:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	547449		
120	45.2	22.6	67.8	





#85

sec-Butylbenzene

Concen: 48.47 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 634445

Ion Ratio Lower Upper

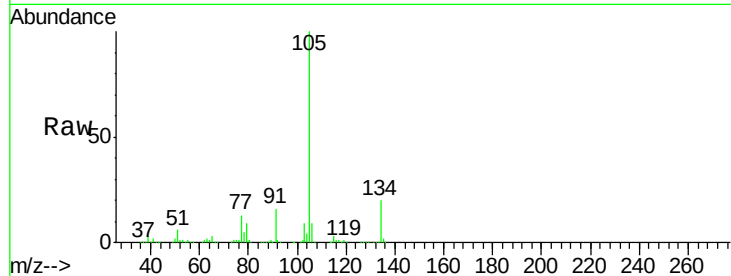
105 100

134 20.5 9.7 29.1

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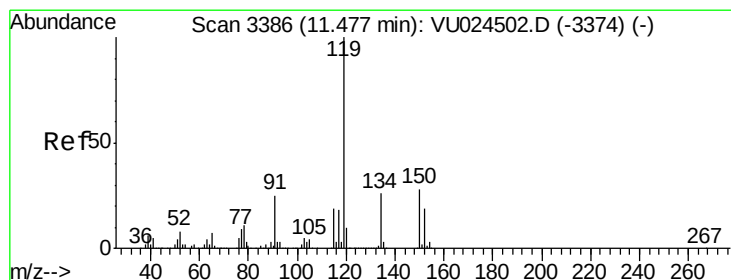
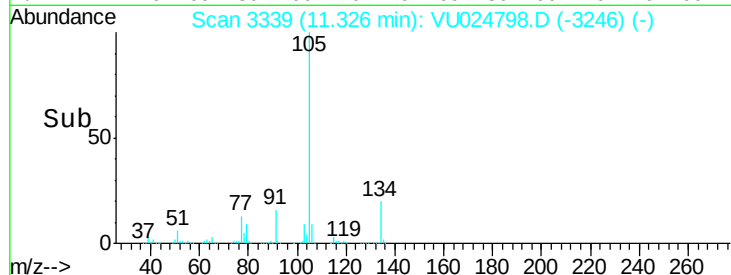
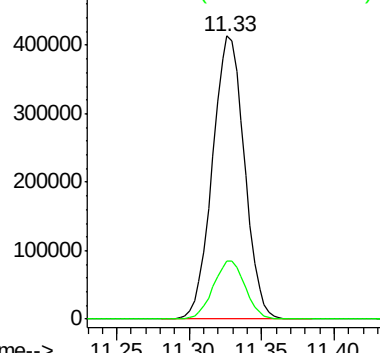
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.85 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

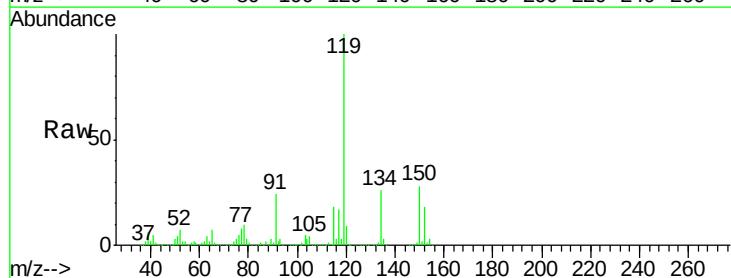
Tgt Ion:119 Resp: 572713

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.6

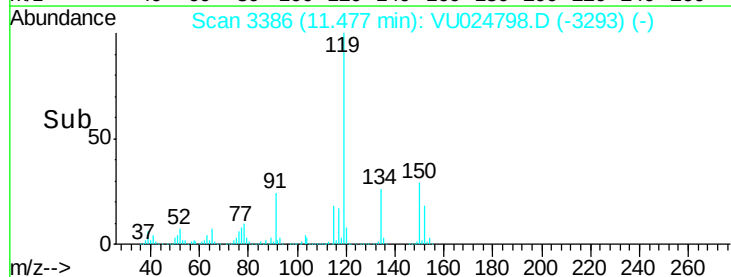
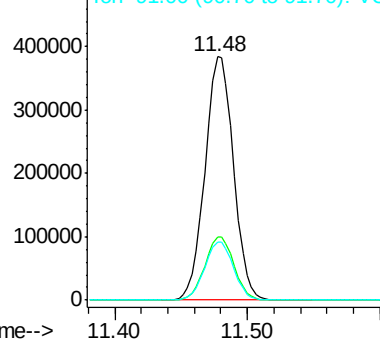
91 24.2 12.0 36.1

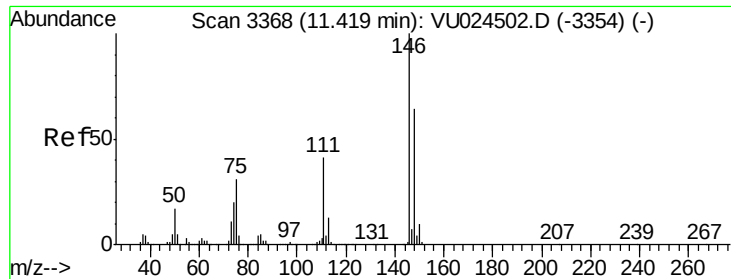


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





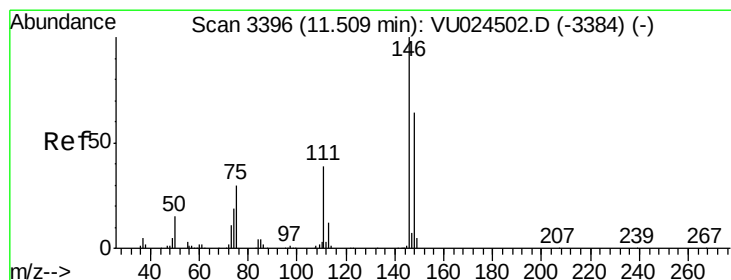
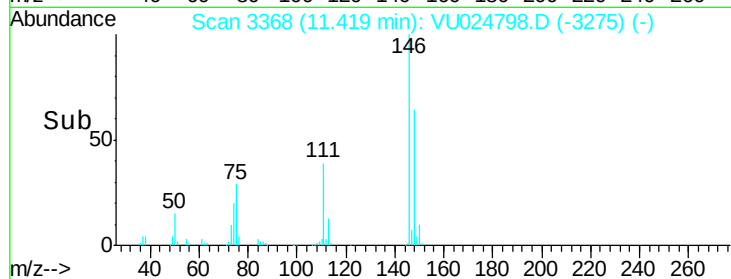
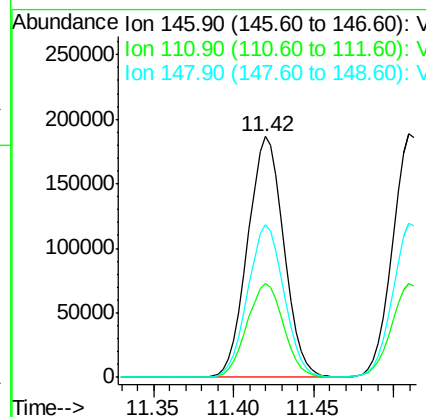
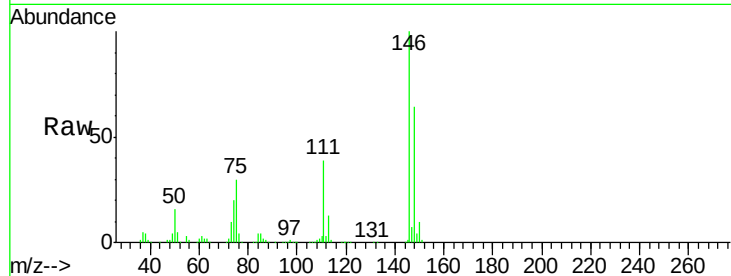
#87
 1,3-Dichlorobenzene
 Concen: 49.20 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024798.D
 Acq: 21 Jun 2018 08:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.0	60.0
148	63.4	32.1	96.5

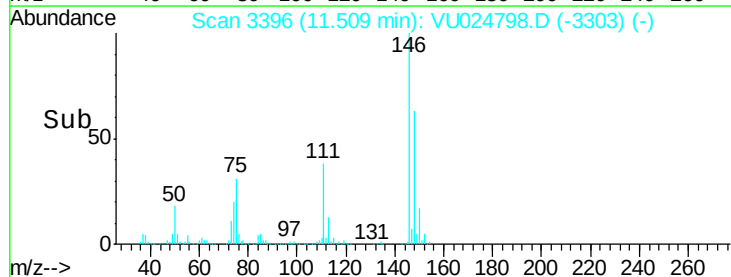
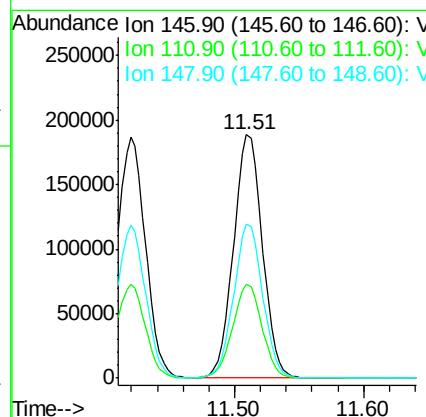
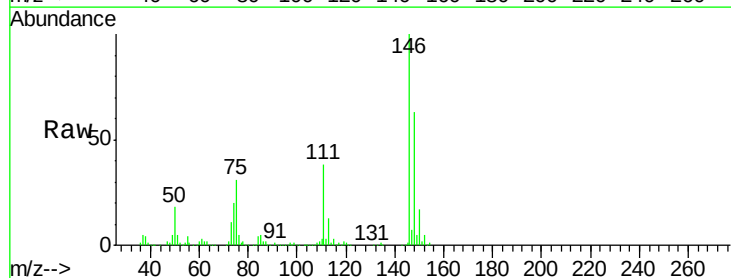
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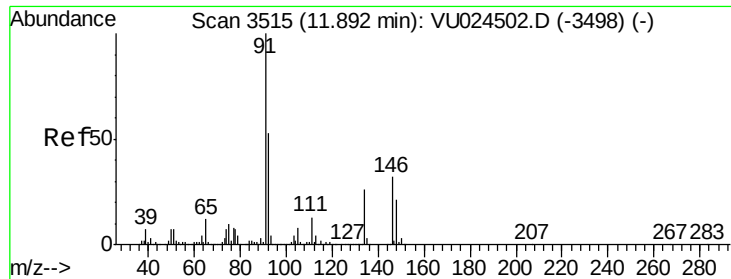
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#88
 1,4-Dichlorobenzene
 Concen: 49.61 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024798.D
 Acq: 21 Jun 2018 08:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.5	58.5
148	63.2	32.4	97.0





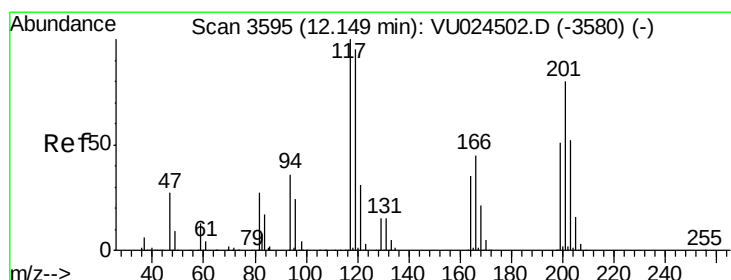
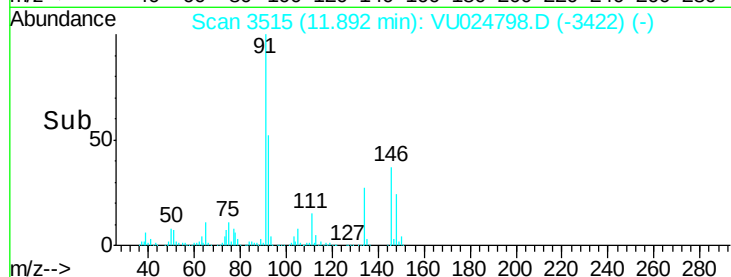
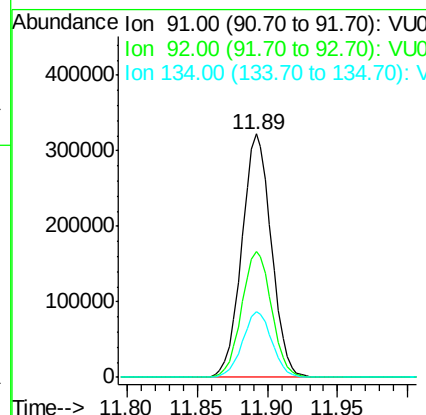
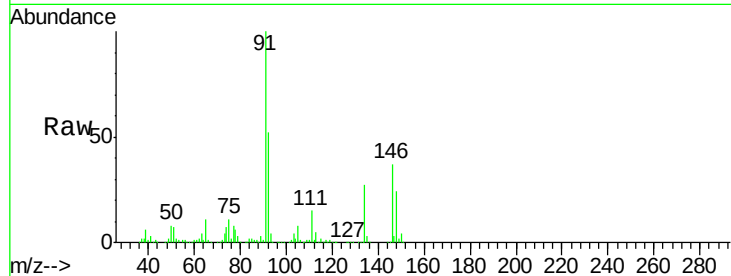
#89
n-Butylbenzene
Concen: 45.40 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU024798.D
Acq: 21 Jun 2018 08:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.6	76.8
134	26.9	12.3	36.8

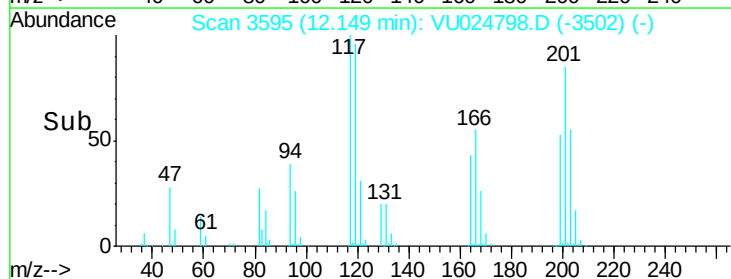
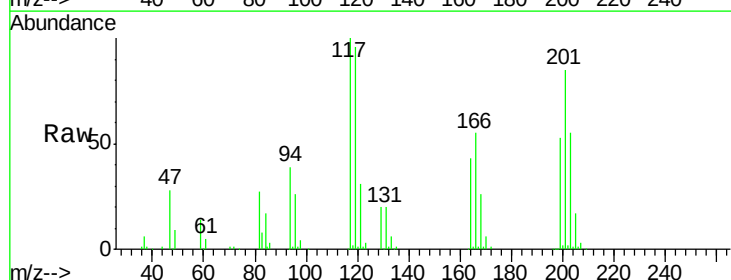
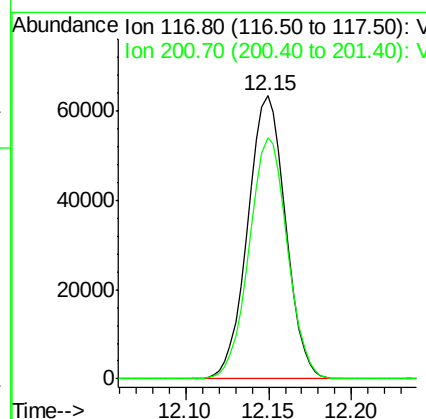
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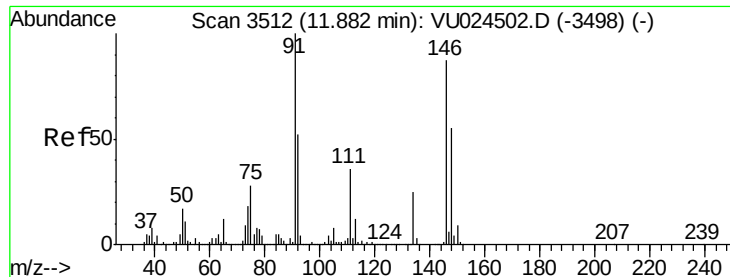
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#90
Hexachloroethane
Concen: 44.19 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU024798.D
Acq: 21 Jun 2018 08:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.0	41.1	123.3





#91

1,2-Dichlorobenzene

Concen: 51.16 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Instrument :

MSVOA_U

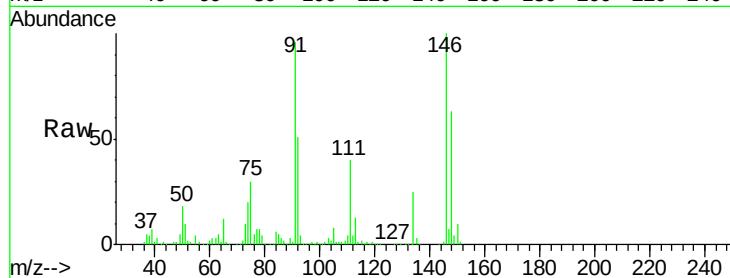
ClientSampleId :

VSTDCCC050EC

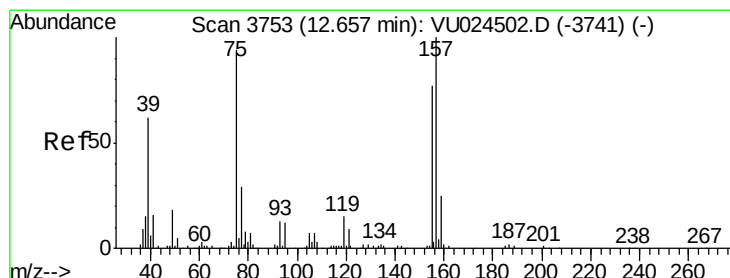
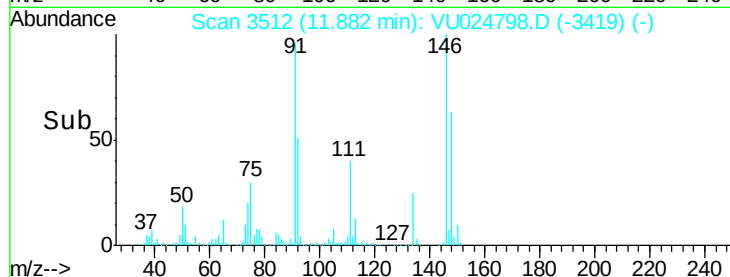
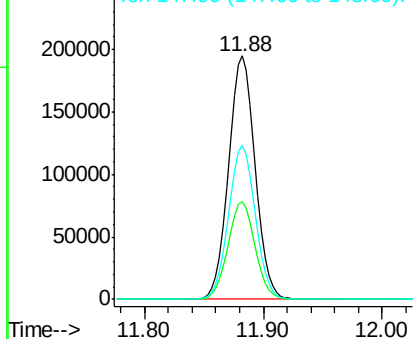
Tot Ion:	146	Resp:	300620
Ion Ratio	Lower	Upper	
146	100		
111	40.9	20.5	61.6
148	63.9	31.9	95.7

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.21 ug/l

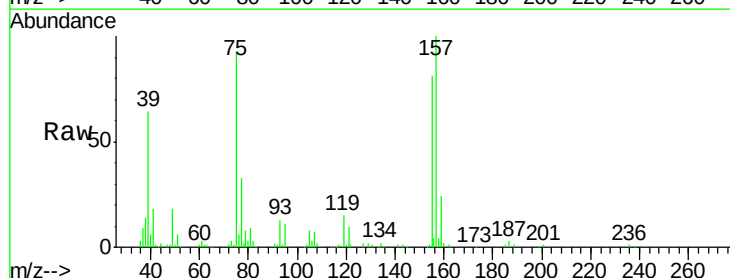
RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

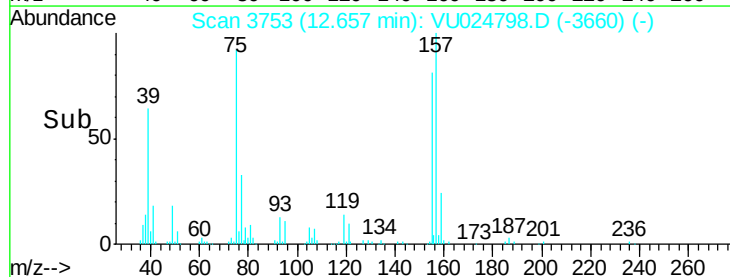
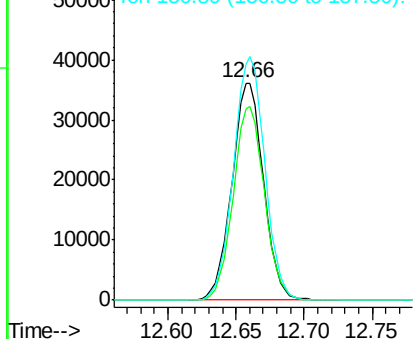
Lab File: VU024798.D

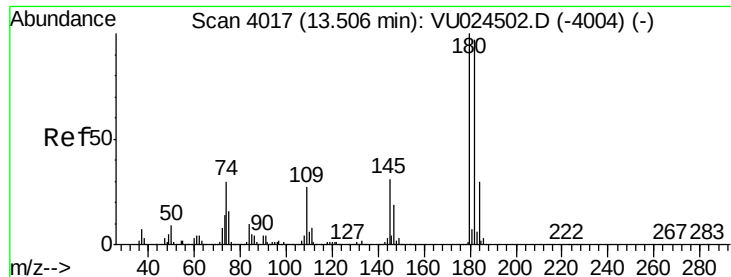
Acq: 21 Jun 2018 08:30

Tgt Ion:	75	Resp:	58232
Ion Ratio	Lower	Upper	
75	100		
155	87.5	40.4	121.2
157	110.8	52.3	156.8



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





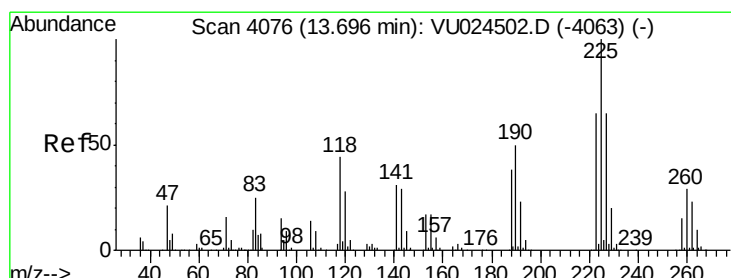
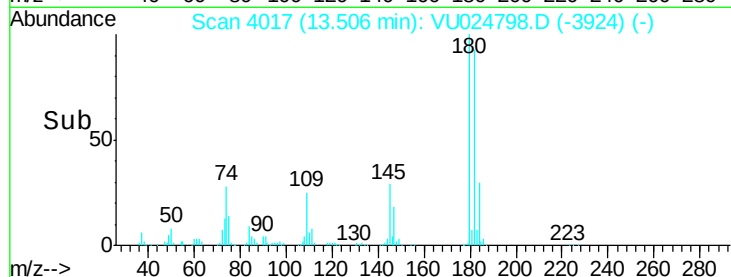
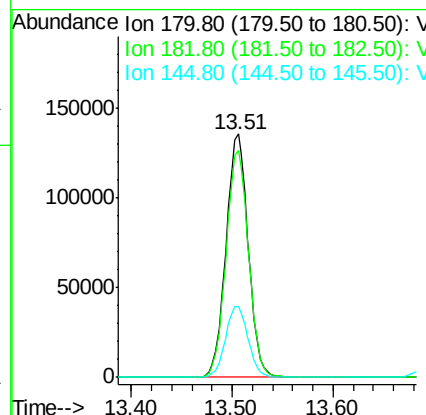
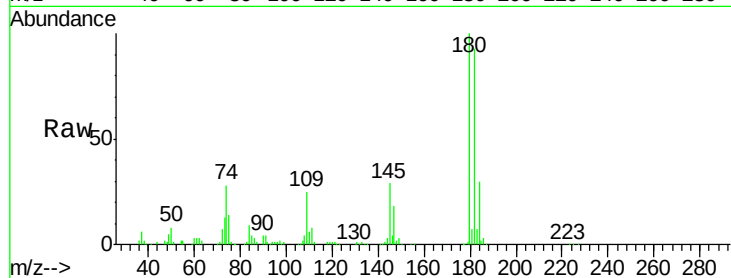
#93
 1,2,4-Trichlorobenzene
 Concen: 57.42 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024798.D
 Acq: 21 Jun 2018 08:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	208347		
182	94.6	48.0	144.2	
145	29.6	14.7	44.1	

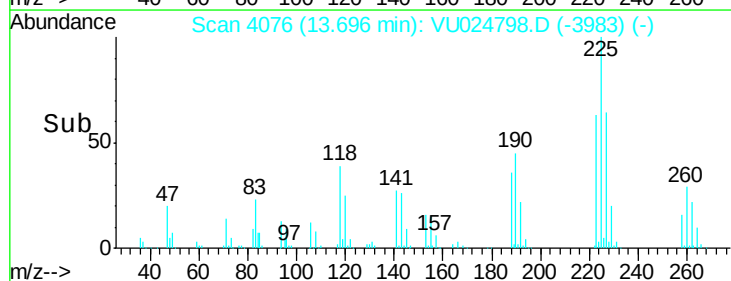
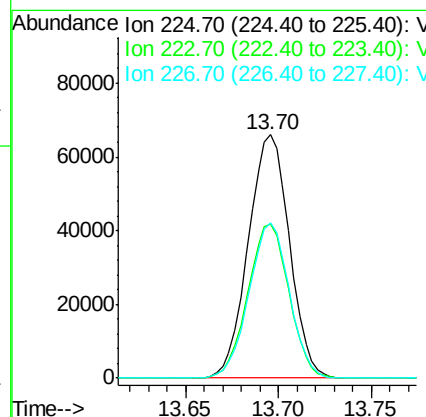
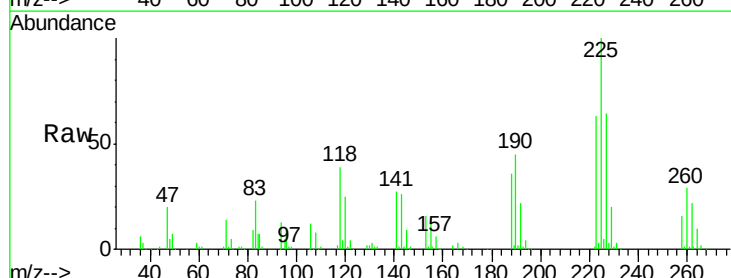
Manual Integrations
 APPROVED

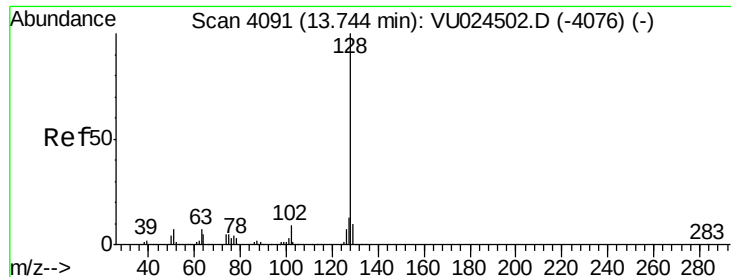
apatel
 6/21/2018 1:45:17 PM



#94
 Hexachlorobutadiene
 Concen: 50.04 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024798.D
 Acq: 21 Jun 2018 08:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	102200		
223	63.4	31.3	93.8	
227	62.4	31.8	95.4	





#95

Naphthalene

Concen: 57.66 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Instrument :

MSVOA_U

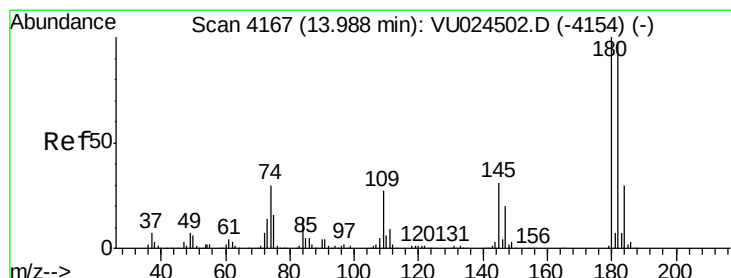
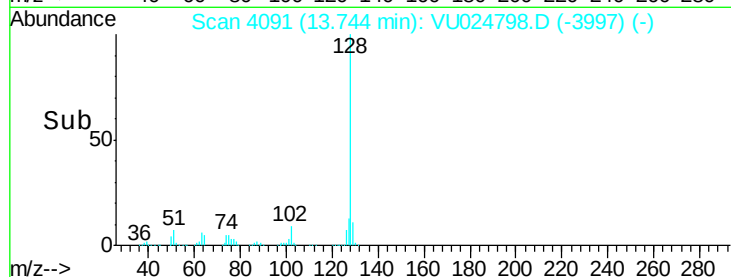
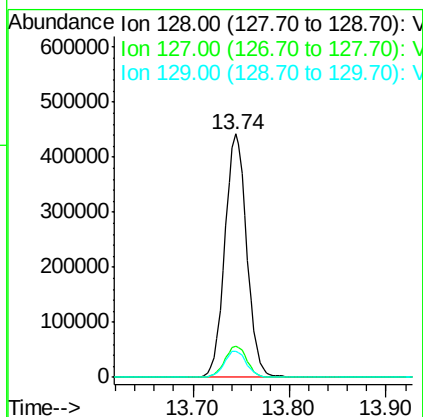
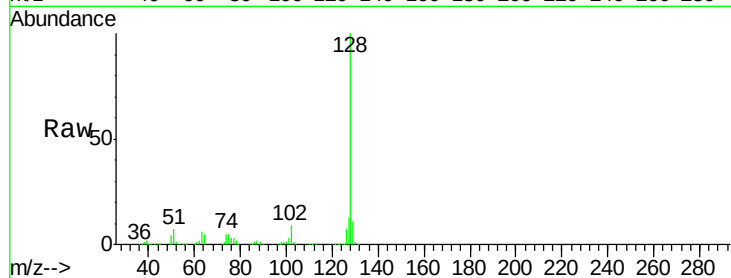
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	693809
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	16.0
129	10.9	8.6	12.8

Manual Integrations
APPROVED

apatel
6/21/2018 1:45:17 PM



#96

1,2,3-Trichlorobenzene

Concen: 60.25 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU024798.D

Acq: 21 Jun 2018 08:30

Tgt Ion:	180	Resp:	217813
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.9	143.7
145	31.6	15.4	46.1

