

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024499.D
 Acq On : 13 Jun 2018 11:33
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 6/14/2018 9:44:16 AM

Quant Time: Jun 13 13:17:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:03:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	200290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	299246	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	277275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155341	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	2932	0.966	ug/l	96
3) Chloromethane	1.33	50	3207	0.907	ug/l	95
4) Vinyl Chloride	1.40	62	2986	0.758	ug/l #	82
5) Bromomethane	1.63	94	1307	0.604	ug/l	92
6) Chloroethane	1.70	64	2795	1.049	ug/l #	88
7) Trichlorofluoromethane	1.89	101	4810	0.899	ug/l	92
8) Diethyl Ether	2.10	74	2174	1.017	ug/l	58
9) 1,1,2-Trichlorotrifluoroet	2.29	101	3170	1.065	ug/l #	84
12) 1,1-Dichloroethene	2.29	96	2342	0.840	ug/l	95
14) Allyl chloride	2.59	41	4449	0.940	ug/l	99
15) Acrylonitrile	2.94	53	7568	3.761	ug/l	95
16) Acetone	2.32	43	10620	4.195	ug/l	94
17) Carbon Disulfide	2.48	76	8119	0.946	ug/l	99
18) Methyl Acetate	2.62	43	4382	0.871	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	9575	1.093	ug/l	97
20) Methylene Chloride	2.71	84	3554	1.022	ug/l	89
21) trans-1,2-Dichloroethene	2.99	96	2911	0.973	ug/l	93
22) Diisopropyl ether	3.58	45	9103	0.955	ug/l #	85
23) Vinyl Acetate	3.53	43	39997	5.709	ug/l	96
24) 1,1-Dichloroethane	3.45	63	5318	0.891	ug/l #	94
25) 2-Butanone	4.27	43	11660	3.851	ug/l	93
26) 2,2-Dichloropropane	4.23	77	5399	1.186	ug/l	82
27) cis-1,2-Dichloroethene	4.24	96	3220m	0.990	ug/l	
28) Bromochloromethane	4.55	49	2011	0.920	ug/l #	80
29) Tetrahydrofuran	4.64	42	8191	4.741	ug/l	94
30) Chloroform	4.68	83	5535	0.915	ug/l	88
31) Cyclohexane	5.00	56	9141	1.544	ug/l #	57
32) 1,1,1-Trichloroethane	4.91	97	5326	1.095	ug/l	93
36) 1,1-Dichloropropene	5.14	75	4062	0.951	ug/l #	73
37) Ethyl Acetate	4.40	43	3366	0.703	ug/l #	93
38) Carbon Tetrachloride	5.13	117	4282	1.053	ug/l	91
39) Methylcyclohexane	6.42	83	5442	1.179	ug/l	97
40) Benzene	5.40	78	11206	0.871	ug/l	92
41) Methacrylonitrile	4.55	41	1701m	0.634	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	5.41	62	4359	0.884	ug/l	84
43) Isopropyl Acetate	5.56	43	7451	1.022	ug/l #	89
44) Trichloroethene	6.20	130	3452	1.029	ug/l	78
45) 1,2-Dichloropropane	6.44	63	2925	0.846	ug/l	94
46) Dibromomethane	6.57	93	1939	0.847	ug/l	97
47) Bromodichloromethane	6.76	83	4016	0.906	ug/l #	95
48) Methyl methacrylate	6.63	41	3454	0.966	ug/l #	83
49) 1,4-Dioxane	6.63	88	1414	18.748	ug/l #	64
51) 4-Methyl-2-Pentanone	7.46	43	21678	4.120	ug/l	96
52) Toluene	7.65	92	7458	0.976	ug/l	96
53) t-1,3-Dichloropropene	7.89	75	4290	0.931	ug/l	94
54) cis-1,3-Dichloropropene	7.28	75	5108	1.016	ug/l	95
55) 1,1,2-Trichloroethane	8.08	97	3335	1.018	ug/l #	91
56) Ethyl methacrylate	8.02	69	4786	1.121	ug/l	96
57) 1,3-Dichloropropane	8.25	76	5028	0.893	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.14	63	8668	3.946	ug/l	99
59) 2-Hexanone	8.37	43	17971	4.269	ug/l	91
60) Dibromochloromethane	8.48	129	4096	1.232	ug/l	92
61) 1,2-Dibromoethane	8.59	107	3373	0.984	ug/l	97
64) Tetrachloroethene	8.23	164	2965	1.076	ug/l #	90
65) Chlorobenzene	9.12	112	8032	0.995	ug/l	91
66) 1,1,1,2-Tetrachloroethane	9.21	131	3059	1.104	ug/l	85
67) Ethyl Benzene	9.26	91	14453	1.111	ug/l	90
68) m/p-Xylenes	9.38	106	10822	2.184	ug/l	97
69) o-Xylene	9.79	106	5312	1.163	ug/l	96
70) Styrene	9.80	104	8522	1.096	ug/l	95
71) Bromoform	9.97	173	2835	1.186	ug/l #	95
73) Isopropylbenzene	10.17	105	14125	1.319	ug/l	97
74) N-amyl acetate	10.02	43	6422	1.325	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	10.46	83	4967	1.069	ug/l	90
76) 1,2,3-Trichloropropane	10.50	75	3427	1.052	ug/l	84
77) Bromobenzene	10.46	156	3528	1.190	ug/l	95
78) n-propylbenzene	10.59	91	16077	1.211	ug/l	94
79) 2-Chlorotoluene	10.67	91	10098	1.253	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	12626	1.390	ug/l	96
81) trans-1,4-Dichloro-2-buten	10.53	75	1390m	0.905	ug/l	
82) 4-Chlorotoluene	10.78	91	11274	1.206	ug/l	99
83) tert-Butylbenzene	11.10	119	11739	1.328	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	12165	1.326	ug/l	97
85) sec-Butylbenzene	11.33	105	14275	1.286	ug/l	94
86) p-Isopropyltoluene	11.48	119	13209	1.347	ug/l	92
87) 1,3-Dichlorobenzene	11.43	146	6367	1.117	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	6352m	1.065	ug/l	
89) n-Butylbenzene	11.90	91	10695	1.108	ug/l	96
90) Hexachloroethane	12.15	117	2720	1.547	ug/l	81
91) 1,2-Dichlorobenzene	11.89	146	6658	1.168	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.66	75	1177	1.241	ug/l	83
93) 1,2,4-Trichlorobenzene	13.52	180	2732	0.812	ug/l	98
94) Hexachlorobutadiene	13.70	225	2145	1.073	ug/l	93
95) Naphthalene	13.76	128	6956	0.756	ug/l #	89

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VSTDICC001

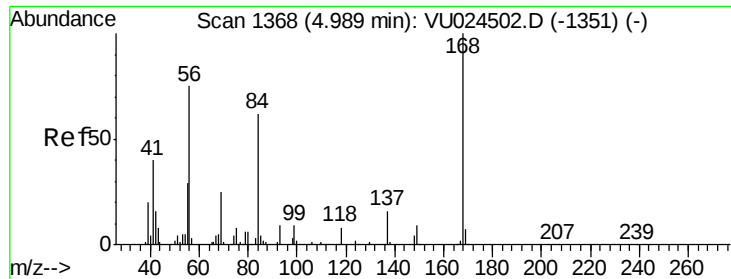
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.00	180	2694	0.792	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 168 Resp: 200290

Ion Ratio Lower Upper

168 100

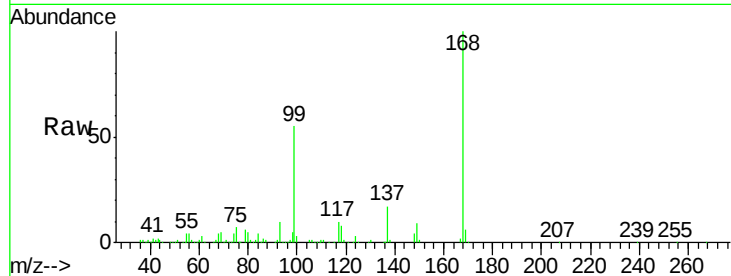
99 54.5 43.2 64.8

Manual Integrations

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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) (-)

4.99

80000

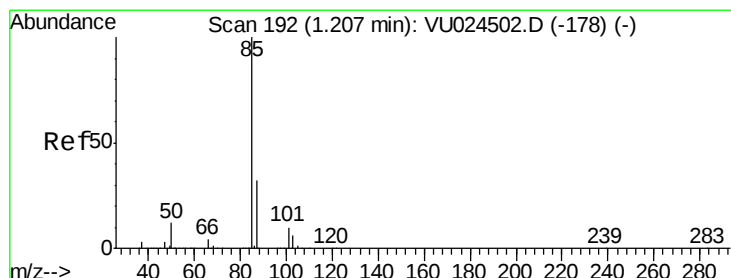
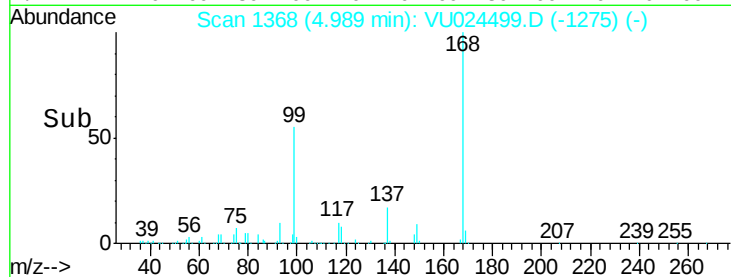
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.966 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU024499.D

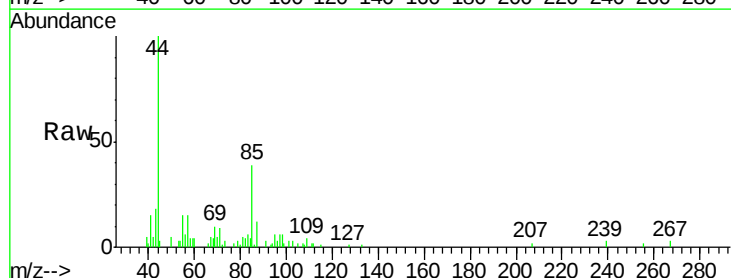
Acq: 13 Jun 2018 11:33

Tgt Ion: 85 Resp: 2932

Ion Ratio Lower Upper

85 100

87 34.4 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) (-)

1.21

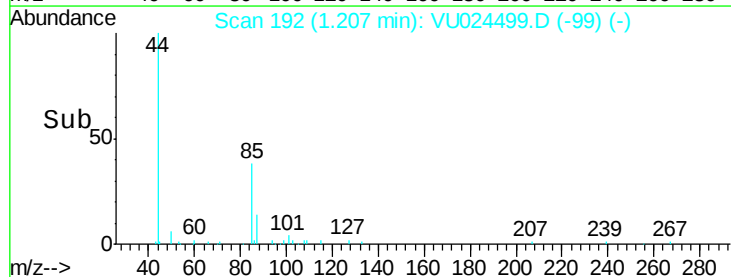
3000

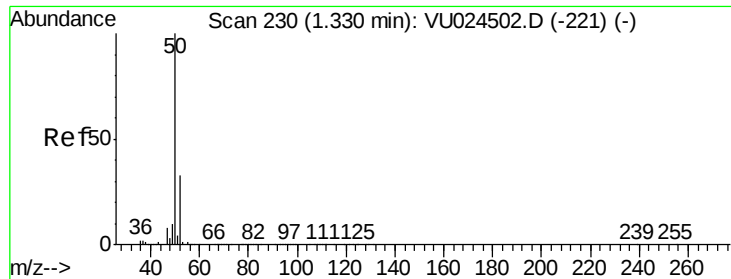
2000

1000

0

Time-->





#3

Chloromethane

Concen: 0.907 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

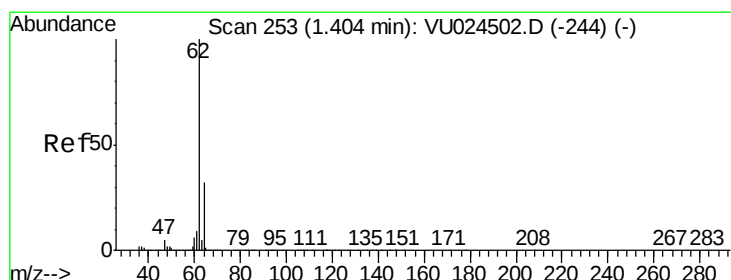
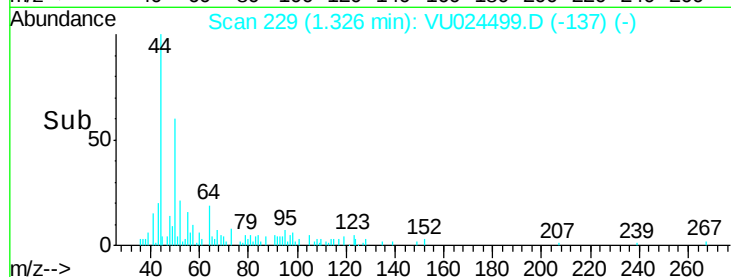
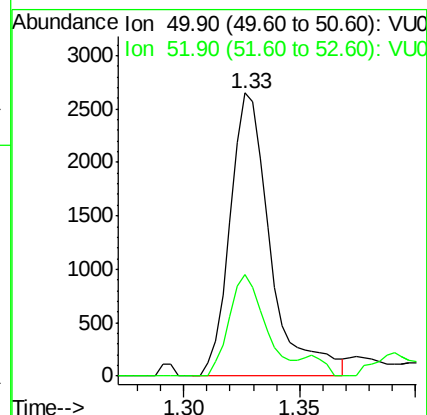
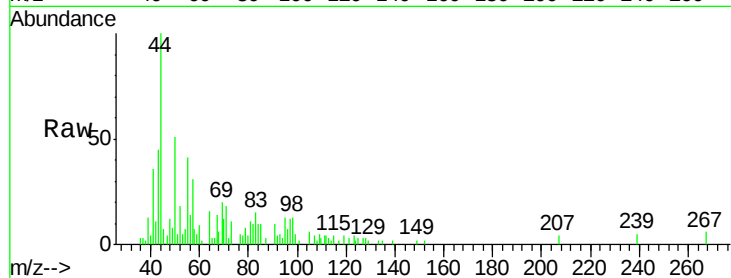
ClientSampleId :

VSTDIC001

Tgt Ion	Ratio	Lower	Upper
50	100		
52	35.9	26.4	39.6

Manual Integrations
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#4

Vinyl Chloride

Concen: 0.758 ug/l

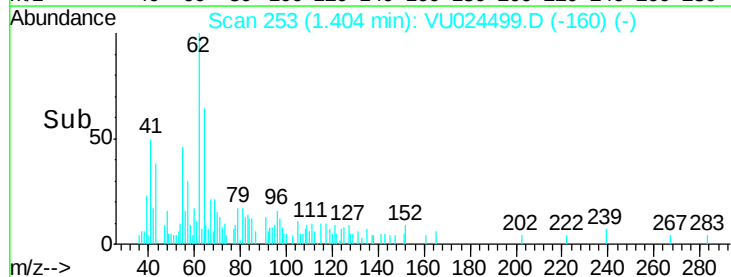
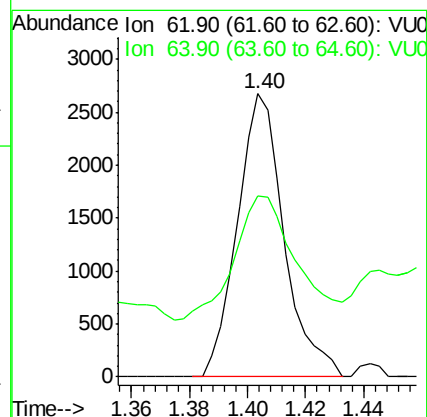
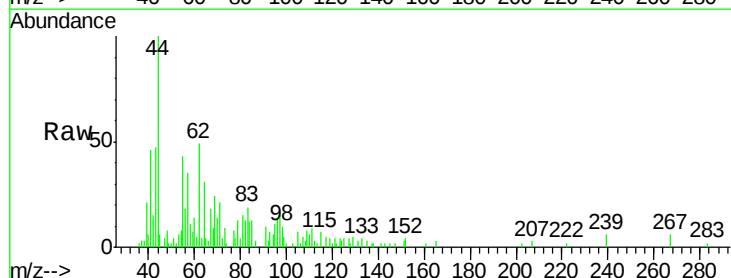
RT: 1.40 min Scan# 253

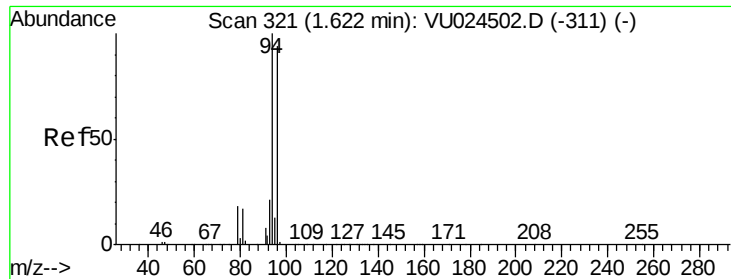
Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Tgt Ion	Ratio	Lower	Upper
62	100		
64	40.7	24.8	37.2





#5

Bromomethane

Concen: 0.604 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.01 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 94 Resp: 1307

Ion Ratio Lower Upper

94 100

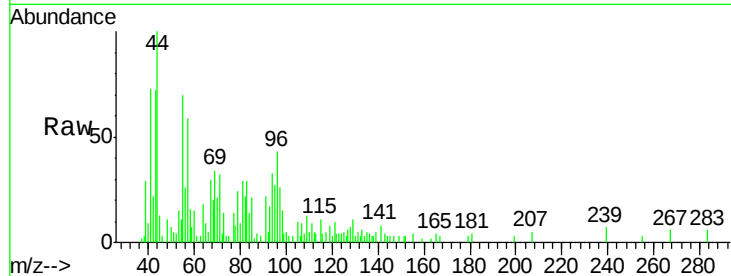
96 100.9 74.5 111.7

Manual Integrations

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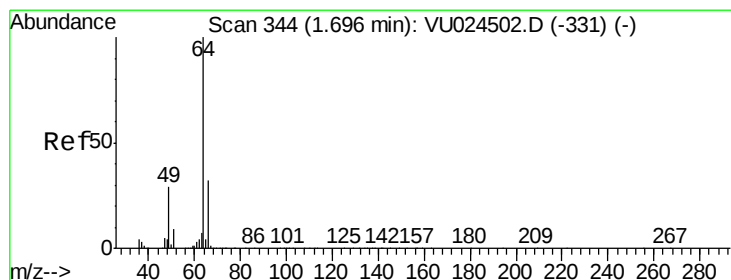
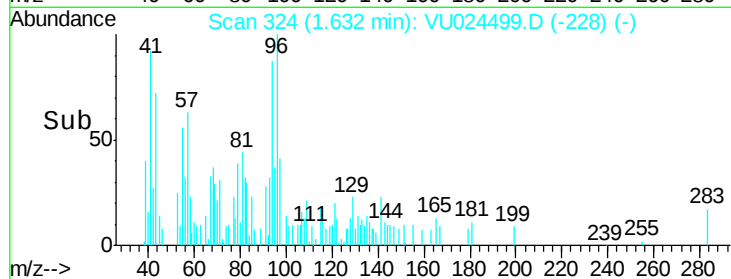
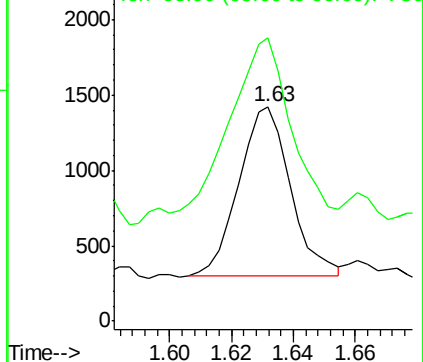
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 1.049 ug/l

RT: 1.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU024499.D

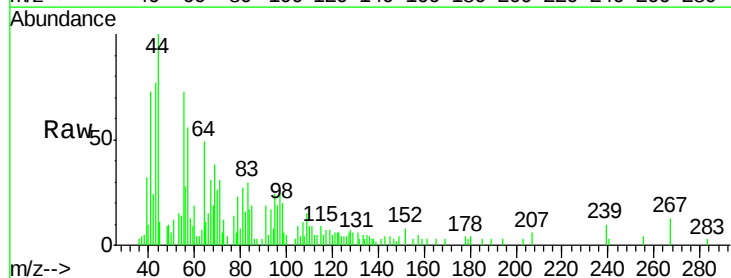
Acq: 13 Jun 2018 11:33

Tgt Ion: 64 Resp: 2795

Ion Ratio Lower Upper

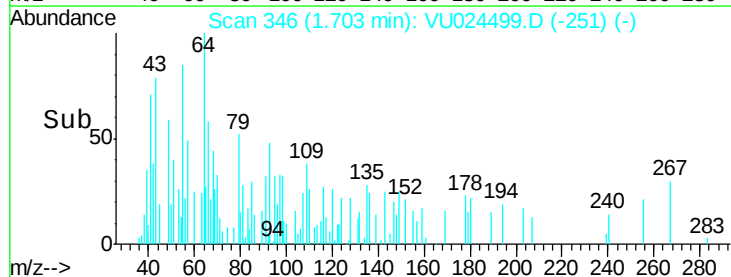
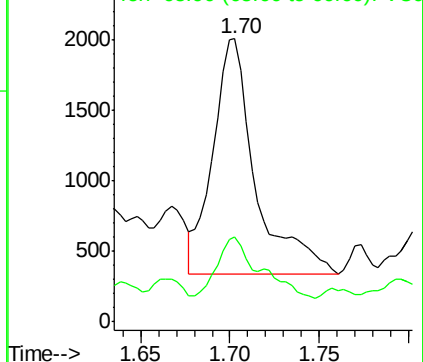
64 100

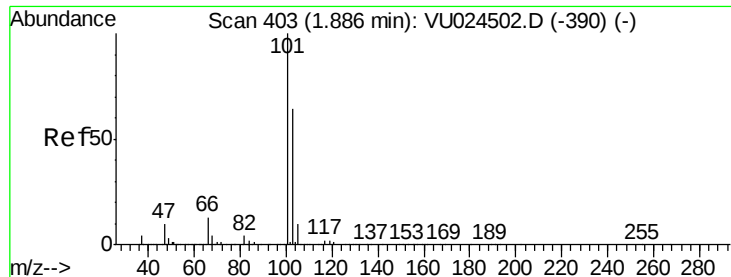
66 25.1 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

Trichlorofluoromethane

Concen: 0.899 ug/l

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

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Instrument :

MSVOA_U

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Tgt Ion:101 Resp: 4810

Ion Ratio Lower Upper

101 100

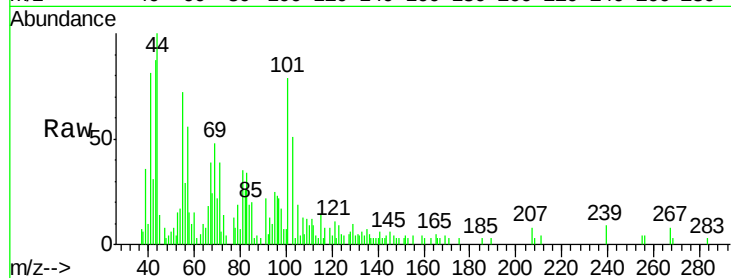
103 59.4 52.3 78.5

Manual Integrations

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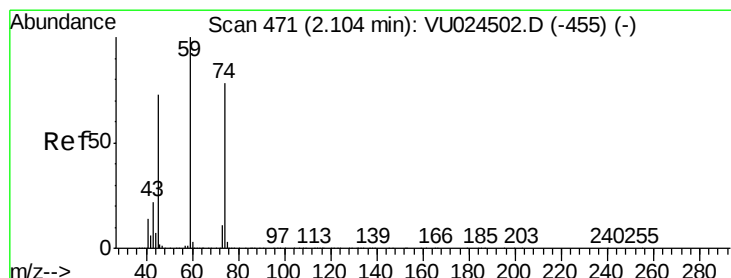
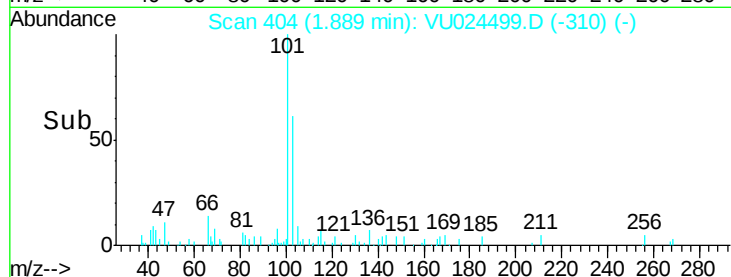
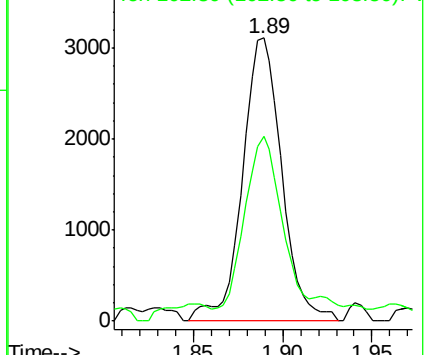
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 1.017 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU024499.D

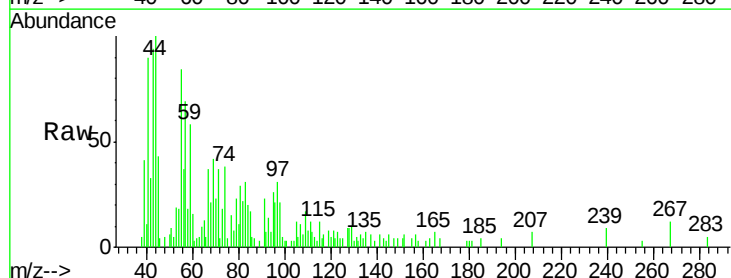
Acq: 13 Jun 2018 11:33

Tgt Ion: 74 Resp: 2174

Ion Ratio Lower Upper

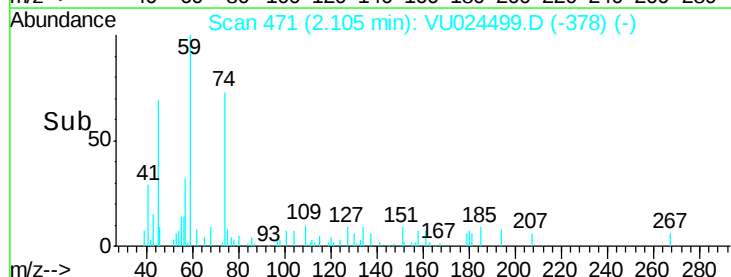
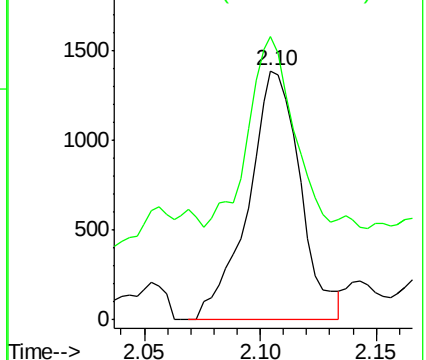
74 100

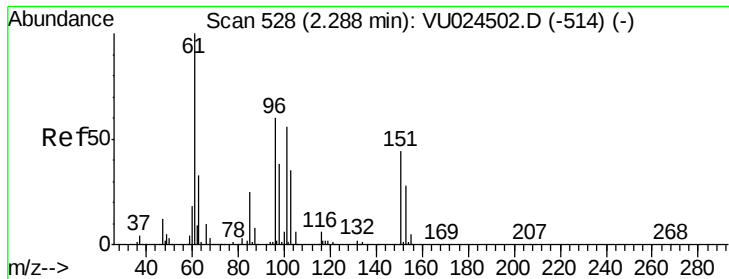
45 65.4 55.0 165.0



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.065 ug/l

RT: 2.29 min Scan# 530

Delta R.T. 0.01 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

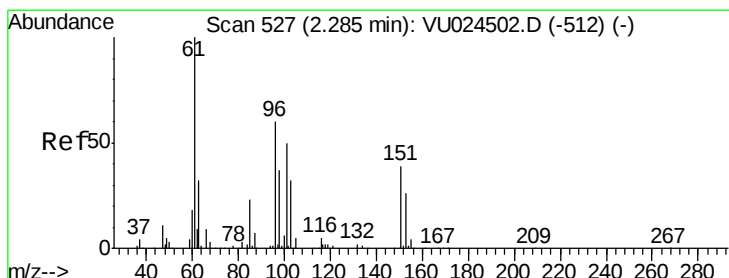
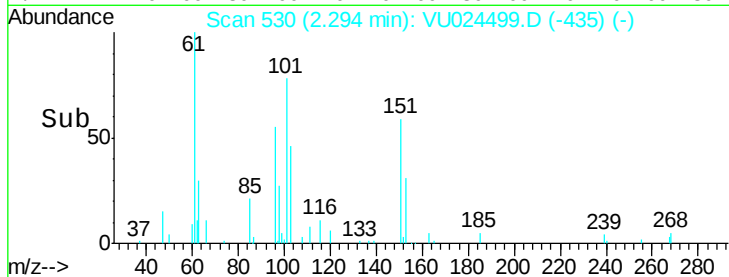
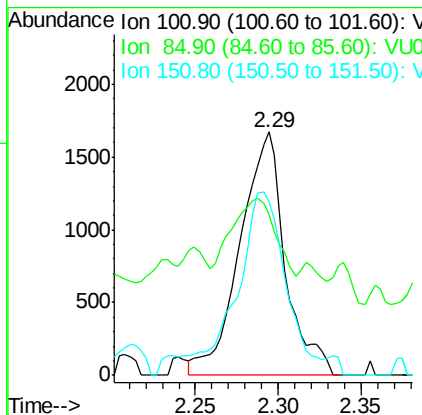
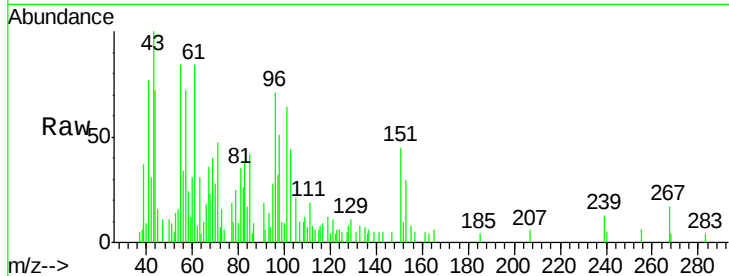
ClientSampleId :

VSTDIC001

Tgt Ion:	101	Resp:	3170
Ion Ratio	Lower	Upper	
101	100		
85	30.4	36.0	54.0#
151	66.7	62.3	93.5

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#12

1,1-Dichloroethene

Concen: 0.840 ug/l

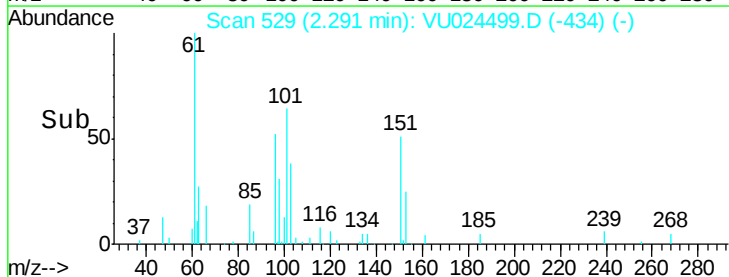
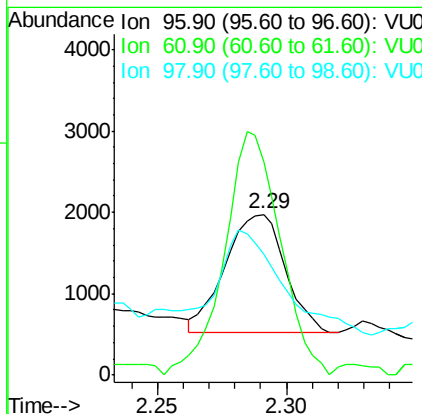
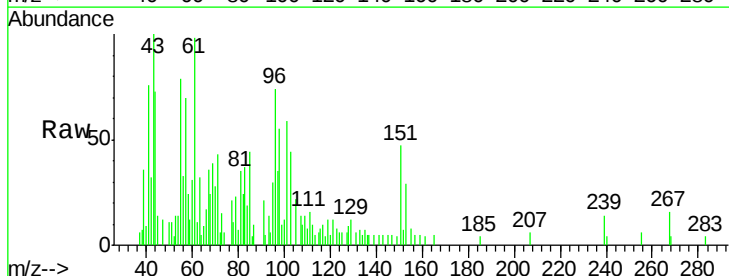
RT: 2.29 min Scan# 529

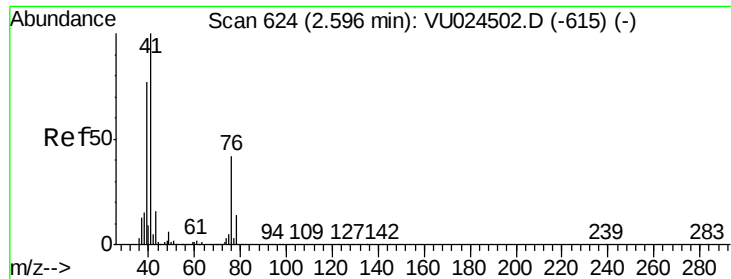
Delta R.T. 0.01 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Tgt Ion:	96	Resp:	2342
Ion Ratio	Lower	Upper	
96	100		
61	173.1	141.7	212.5
98	54.4	51.6	77.4





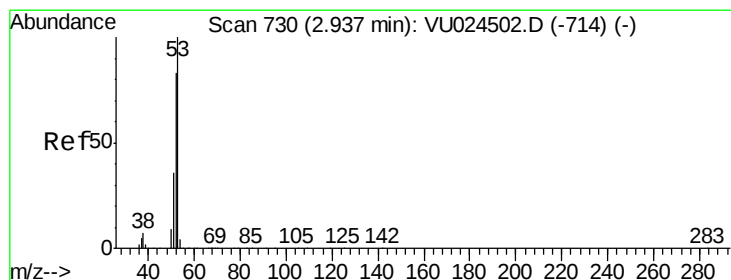
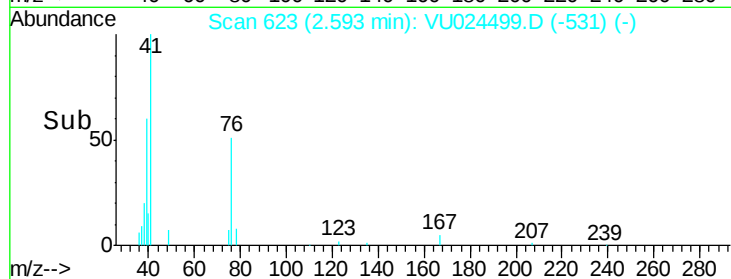
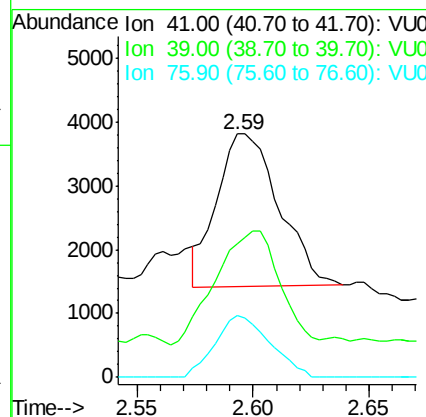
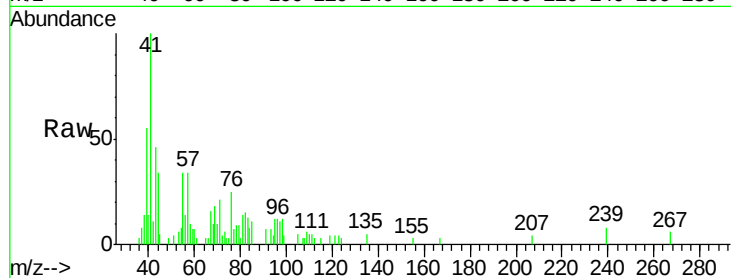
#14
 Allyl chloride
 Concen: 0.940 ug/l
 RT: 2.59 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion:	41	Resp:	4449
Ion	Ratio	Lower	Upper
41	100		
39	76.3	61.6	92.4
76	35.7	29.7	44.5

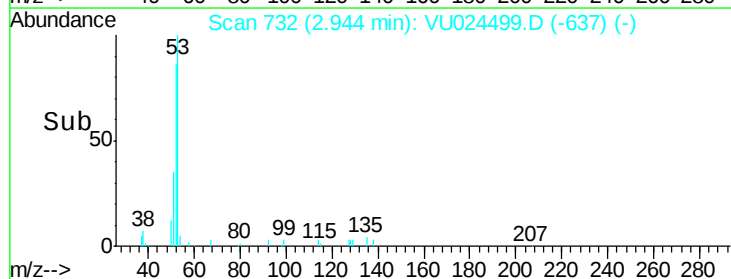
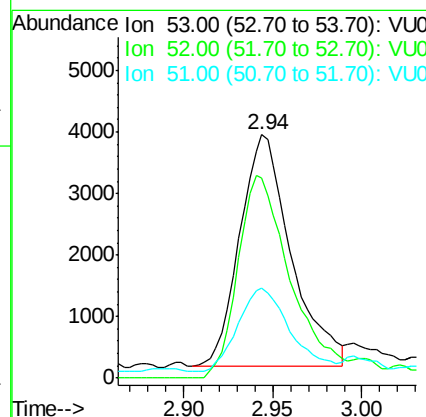
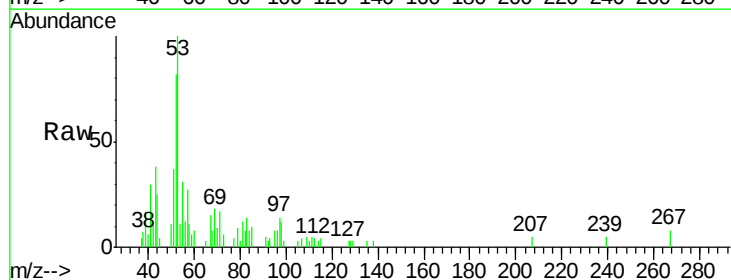
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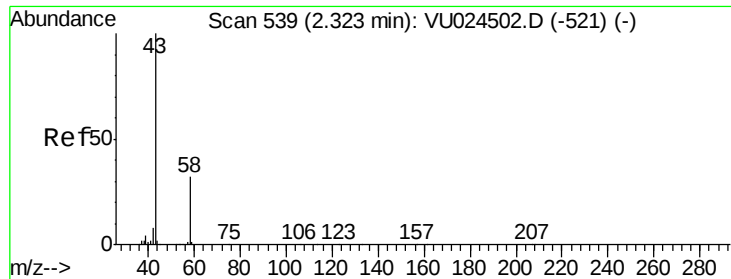
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#15
 Acrylonitrile
 Concen: 3.761 ug/l
 RT: 2.94 min Scan# 732
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion:	53	Resp:	7568
Ion	Ratio	Lower	Upper
53	100		
52	89.7	67.1	100.7
51	37.4	28.4	42.6





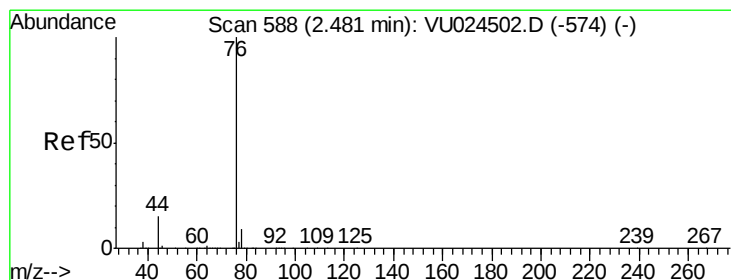
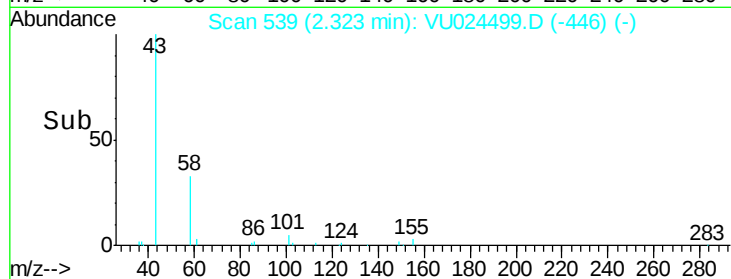
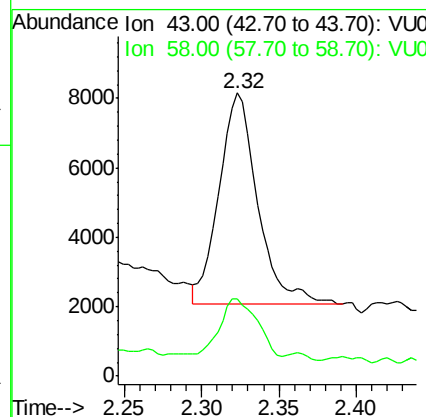
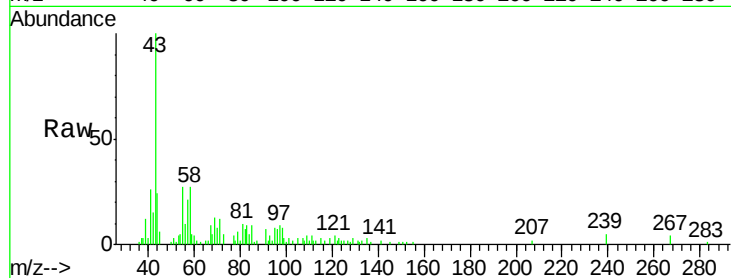
#16
Acetone
Concen: 4.195 ug/l
RT: 2.32 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 10620
Ion Ratio Lower Upper
43 100
58 27.4 24.4 36.6

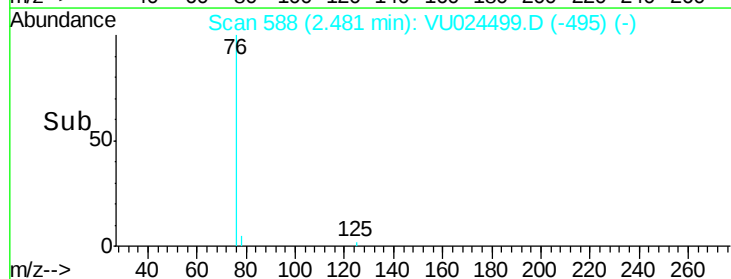
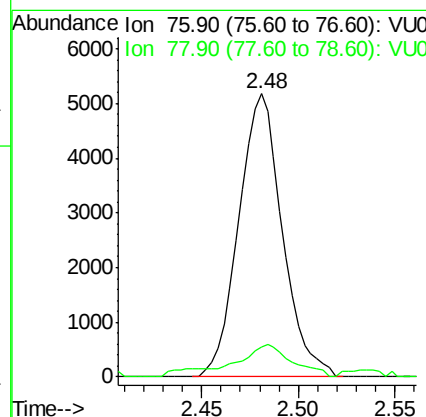
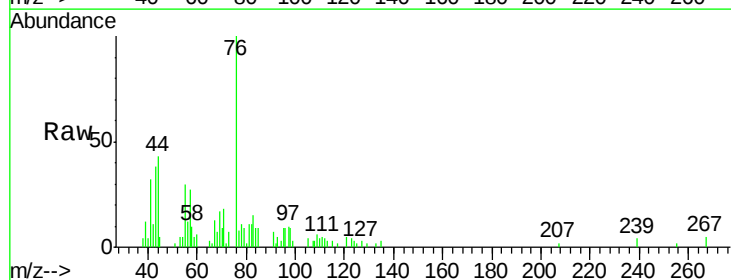
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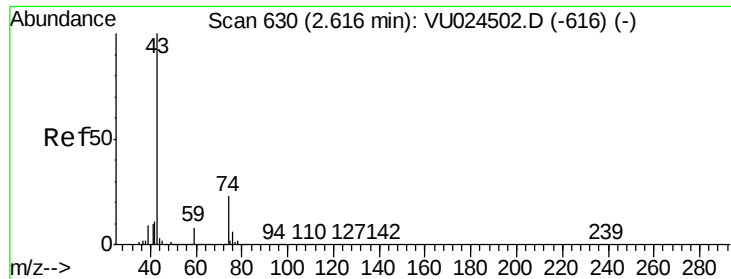
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#17
Carbon Disulfide
Concen: 0.946 ug/l
RT: 2.48 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Tgt Ion: 76 Resp: 8119
Ion Ratio Lower Upper
76 100
78 8.6 7.1 10.7





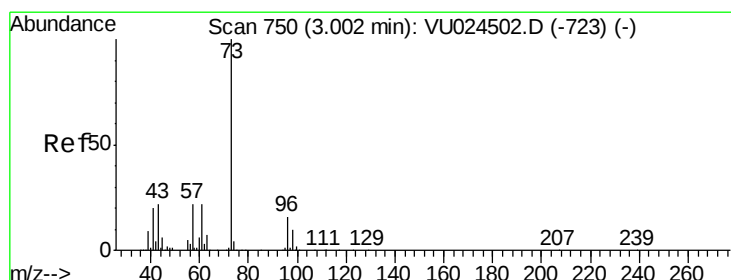
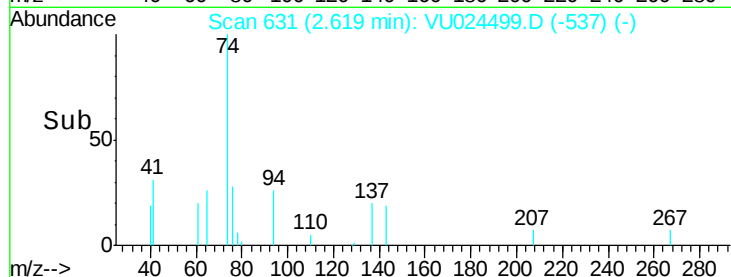
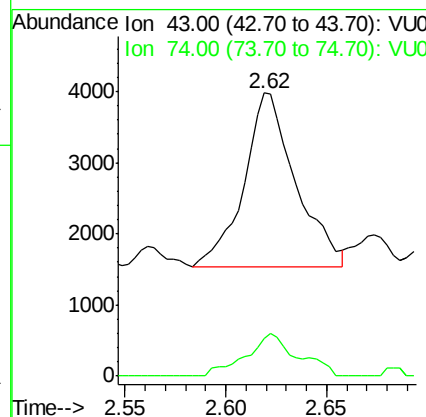
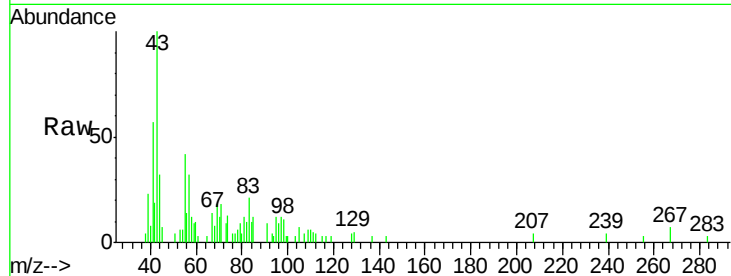
#18
Methyl Acetate
Concen: 0.871 ug/l
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 4382
Ion Ratio Lower Upper
43 100
74 24.1 18.0 27.0

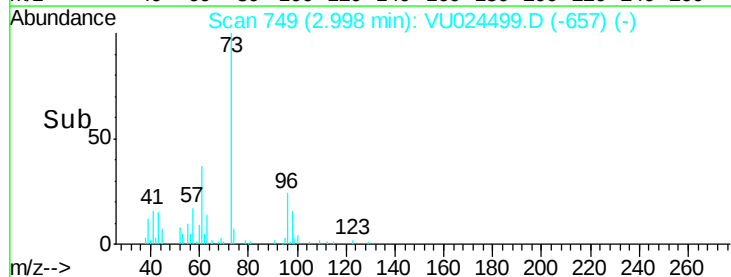
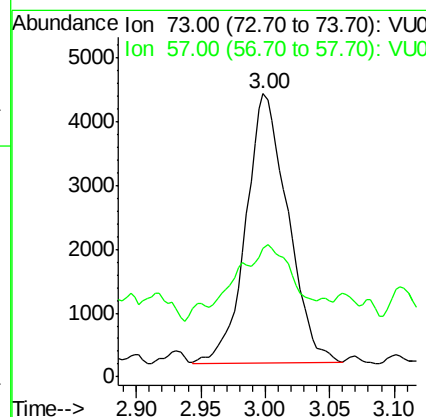
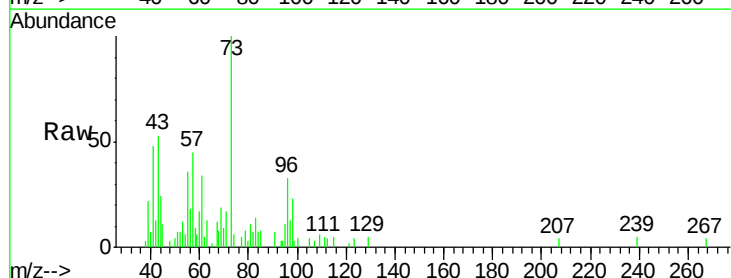
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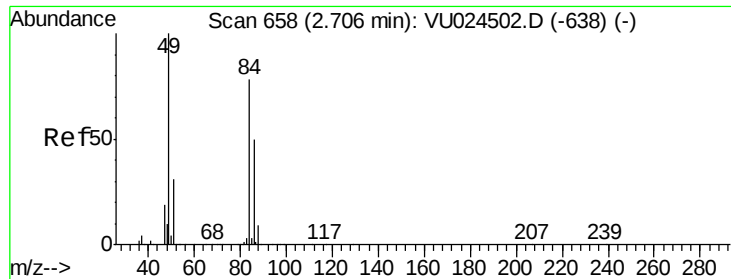
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#19
Methyl tert-butyl Ether
Concen: 1.093 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Tgt Ion: 73 Resp: 9575
Ion Ratio Lower Upper
73 100
57 22.3 18.8 28.2





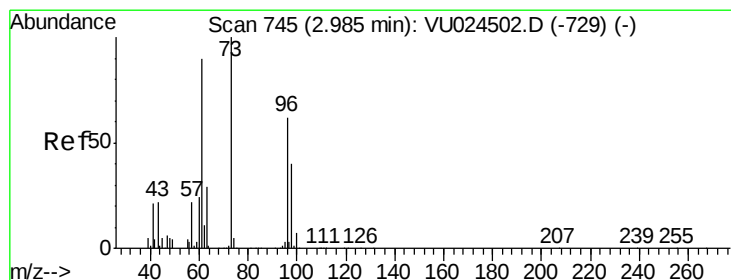
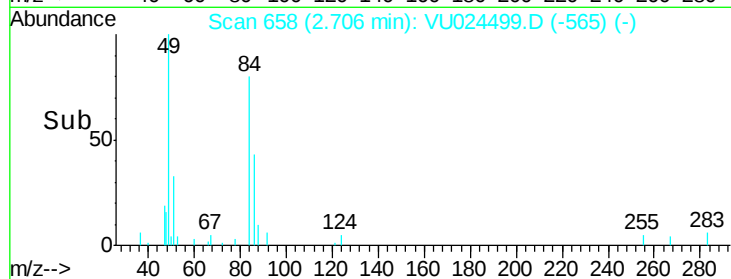
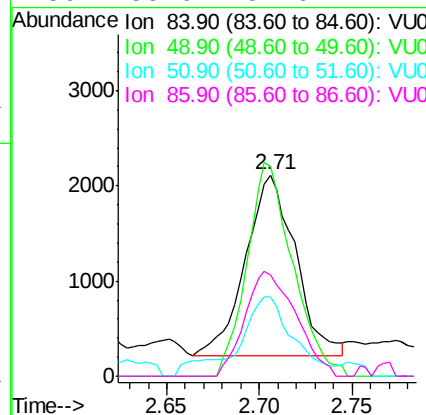
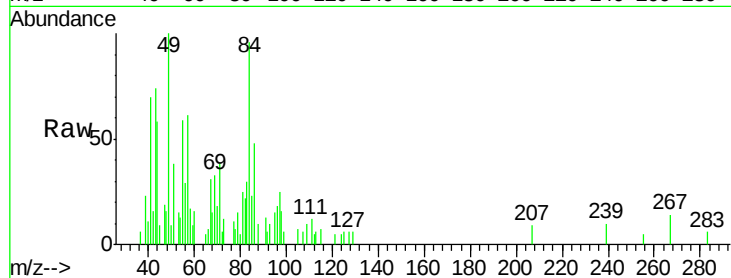
#20
Methylene Chloride
Concen: 1.022 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.8	103.8	155.8
51	37.0	32.0	48.0
86	55.6	51.6	77.4

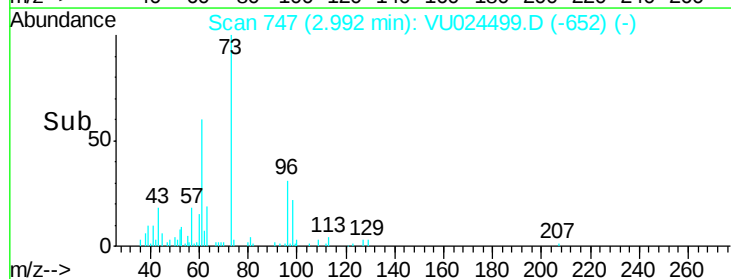
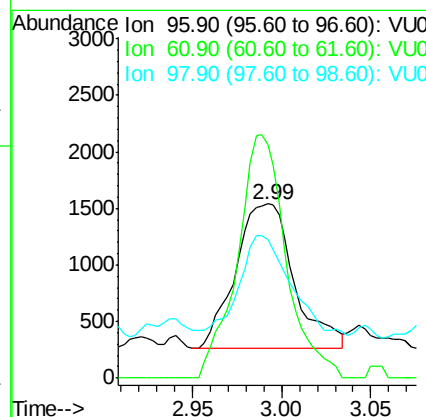
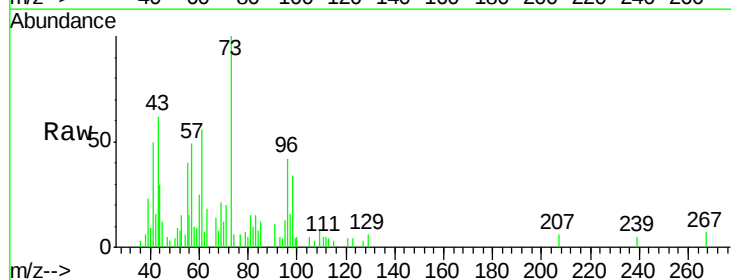
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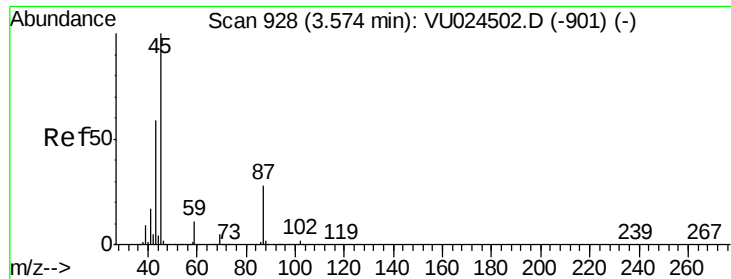
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#21
trans-1,2-Dichloroethene
Concen: 0.973 ug/l
RT: 2.99 min Scan# 747
Delta R.T. 0.01 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.8	119.4	179.0
98	64.2	51.1	76.7





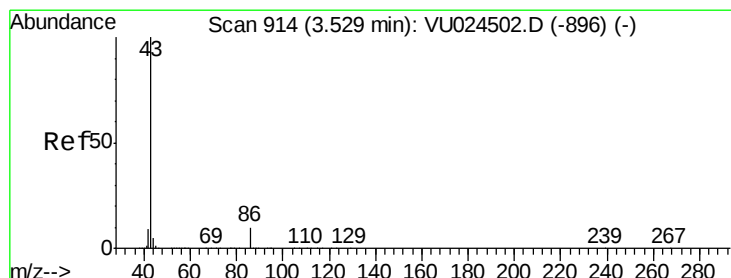
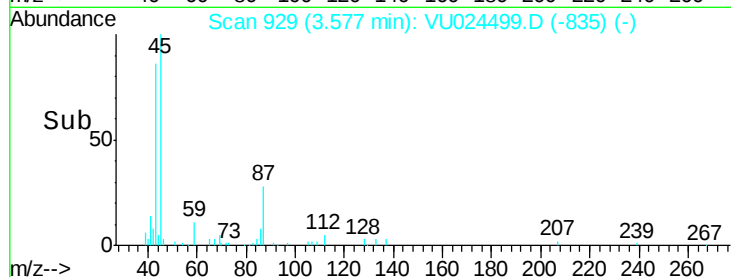
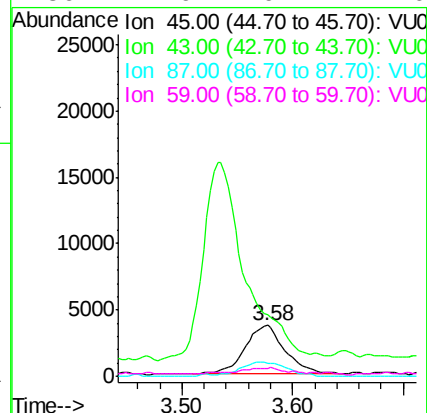
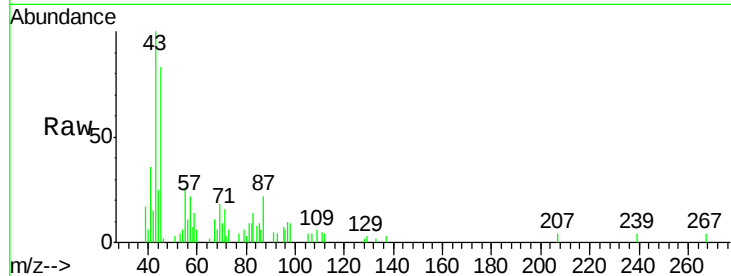
#22
Diisopropyl ether
Concen: 0.955 ug/l
RT: 3.58 min Scan# 929
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
45	100		
43	74.2	45.8	68.6#
87	27.8	20.6	31.0
59	12.9	9.4	14.0

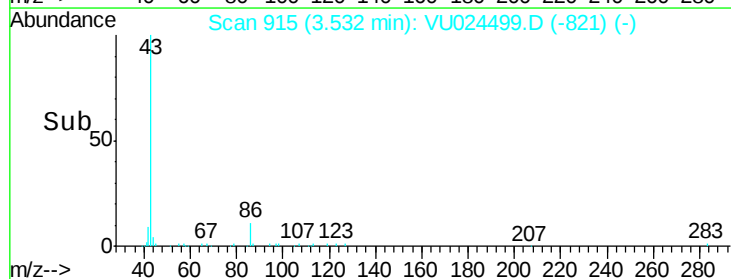
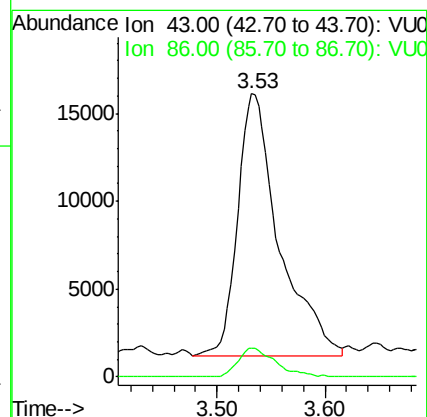
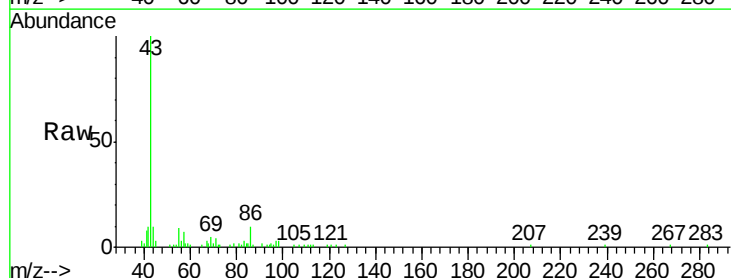
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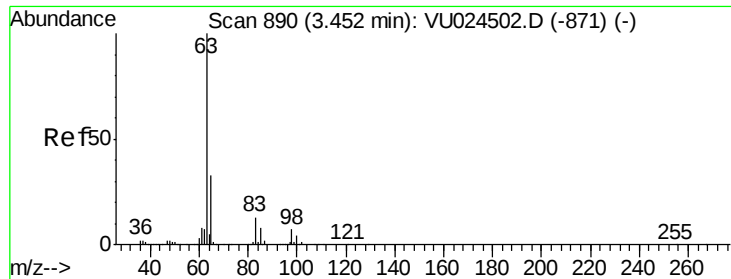
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#23
Vinyl Acetate
Concen: 5.709 ug/l
RT: 3.53 min Scan# 915
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Tgt Ion	Ratio	Lower	Upper
43	100		
86	11.2	7.8	11.8





#24

1,1-Dichloroethane

Concen: 0.891 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

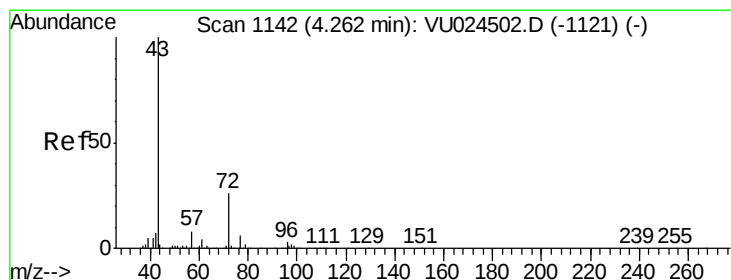
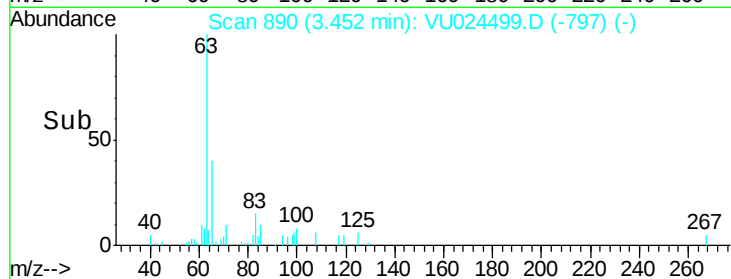
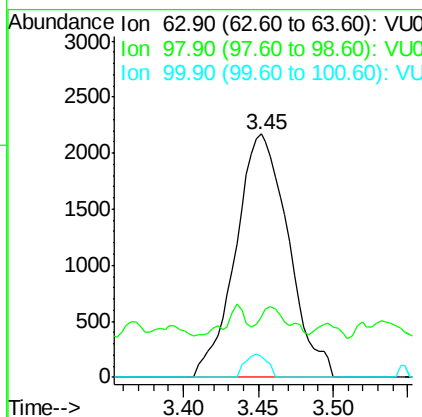
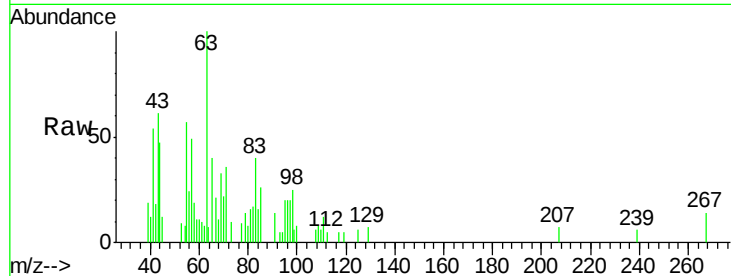
ClientSampleId :

VSTDIC001

Tgt Ion:	63	Resp:	5318
Ion Ratio	Lower	Upper	
63	100		
98	7.1	3.5	10.4
100	8.5	1.8	5.5#

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#25

2-Butanone

Concen: 3.851 ug/l

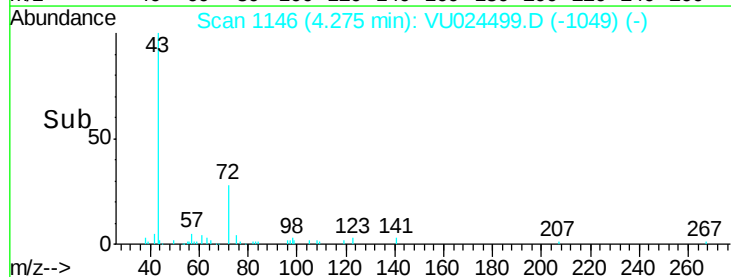
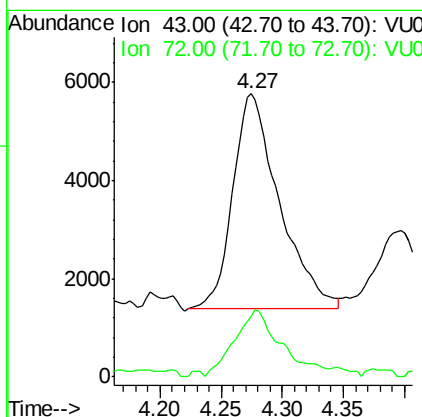
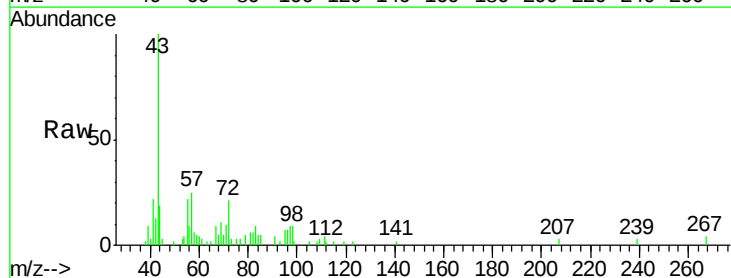
RT: 4.27 min Scan# 1146

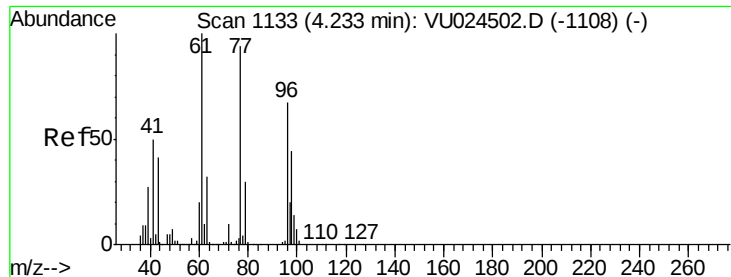
Delta R.T. 0.01 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Tgt Ion:	43	Resp:	11660
Ion Ratio	Lower	Upper	
43	100		
72	28.1	19.6	29.4





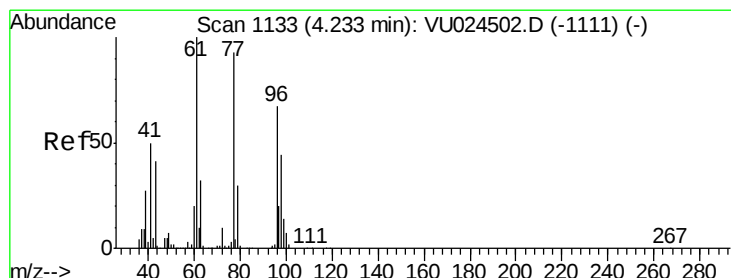
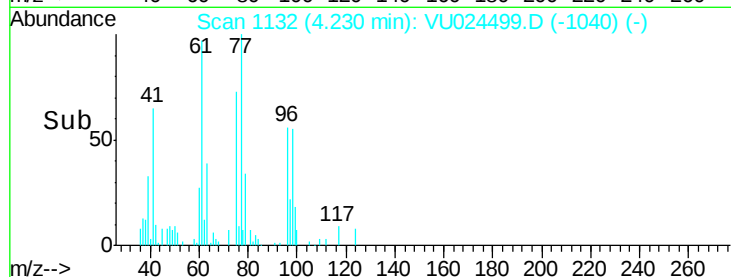
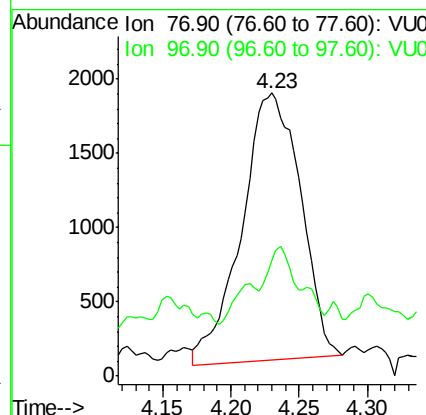
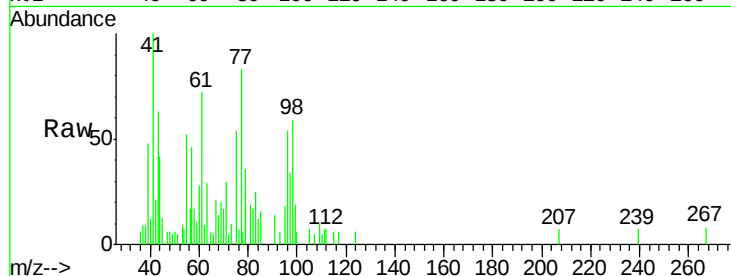
#26
 2,2-Dichloropropane
 Concen: 1.186 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion: 77 Resp: 5399
 Ion Ratio Lower Upper
 77 100
 97 14.0 11.3 33.8

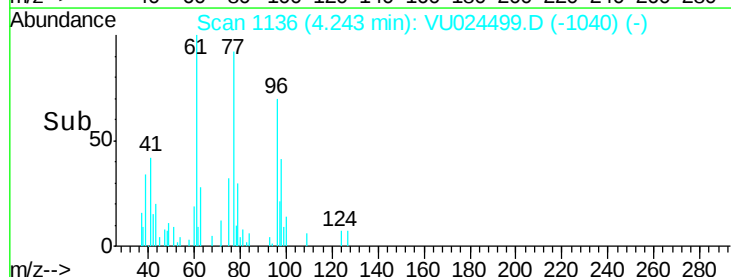
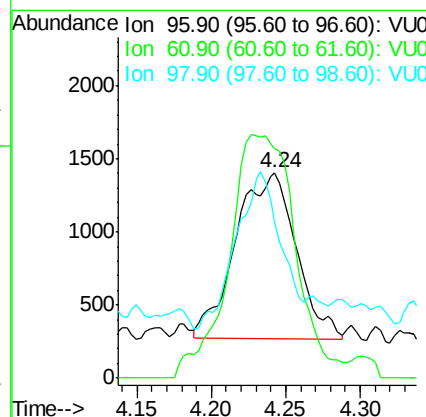
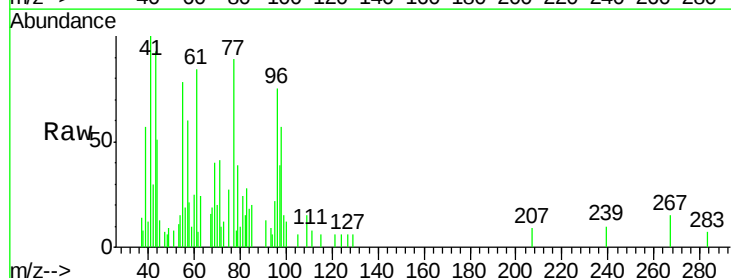
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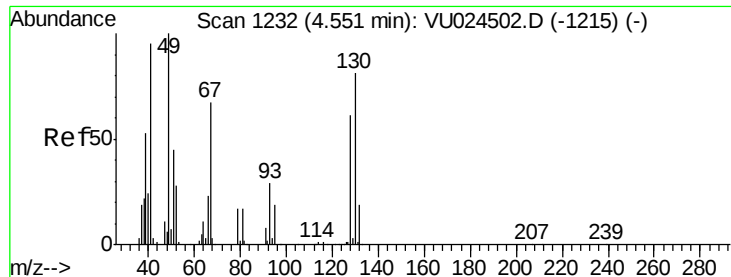
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#27
 cis-1,2-Dichloroethene
 Concen: 0.990 ug/l m
 RT: 4.24 min Scan# 1136
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion: 96 Resp: 3220
 Ion Ratio Lower Upper
 96 100
 61 7.0 0.0 306.6
 98 5.3 0.0 128.8





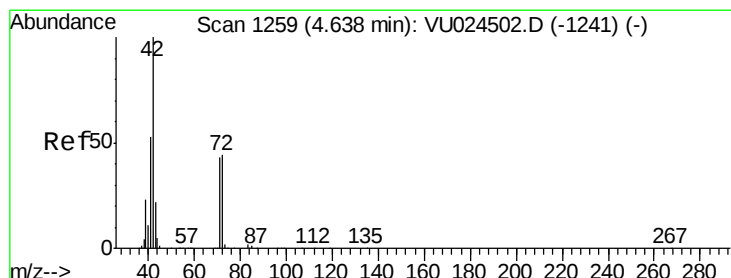
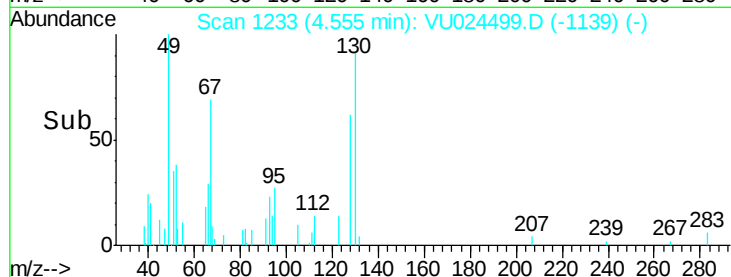
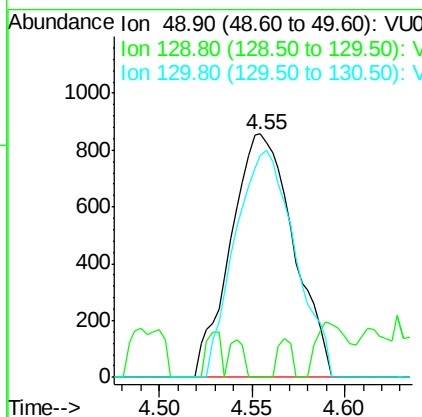
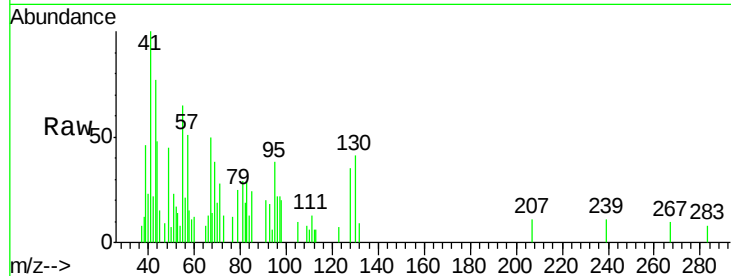
#28
Bromochloromethane
Concen: 0.920 ug/l
RT: 4.55 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.5	0.0	3.8
130	89.3	57.8	86.6

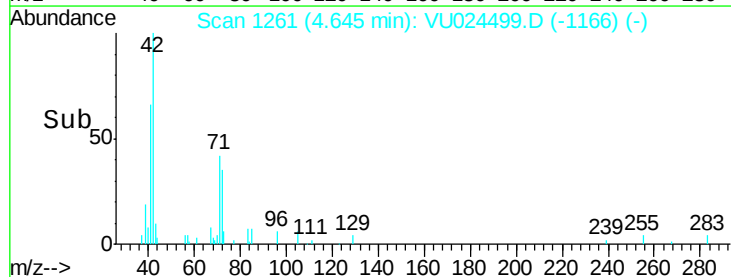
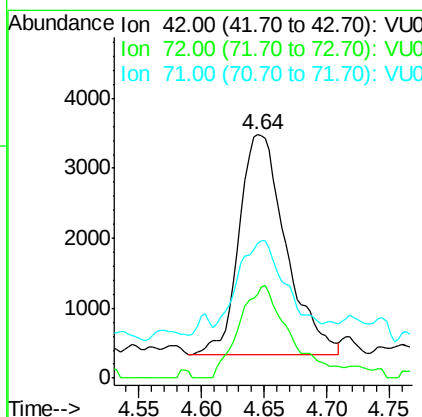
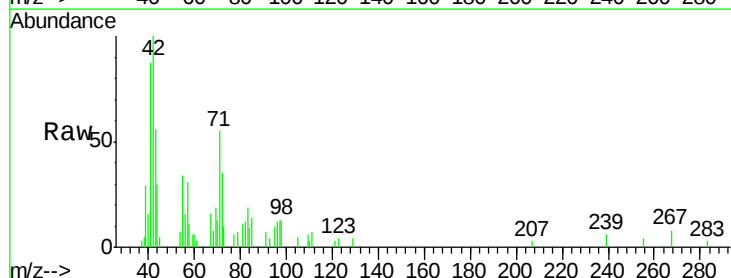
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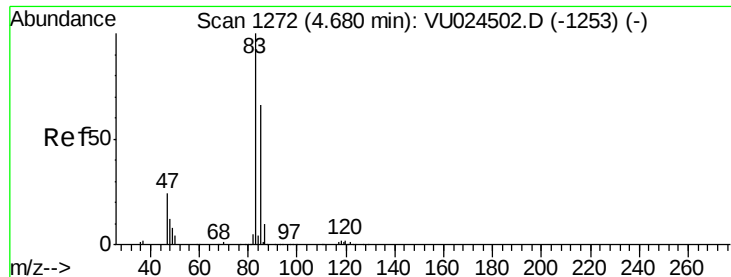
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#29
Tetrahydrofuran
Concen: 4.741 ug/l
RT: 4.64 min Scan# 1261
Delta R.T. 0.01 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Tgt Ion	Ratio	Lower	Upper
42	100		
72	45.7	34.5	51.7
71	45.7	32.2	48.4





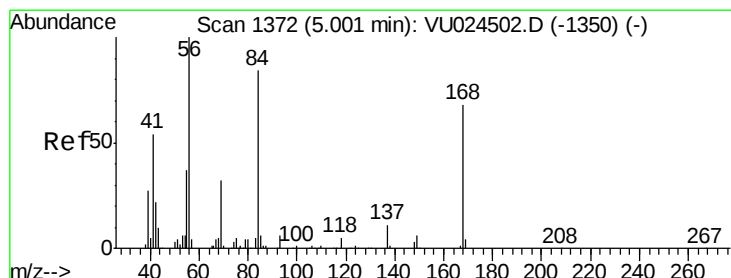
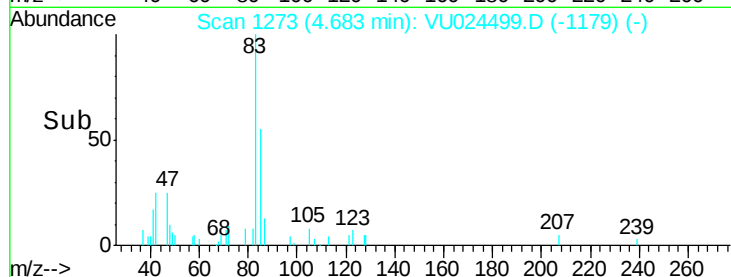
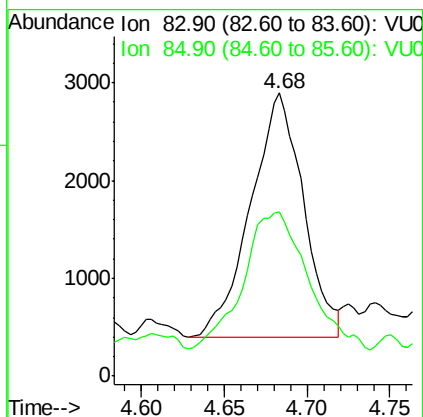
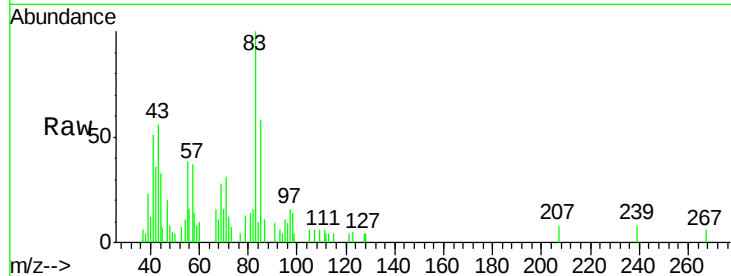
#30
Chloroform
Concen: 0.915 ug/l
RT: 4.68 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 83 Resp: 5535
Ion Ratio Lower Upper
83 100
85 56.0 52.4 78.6

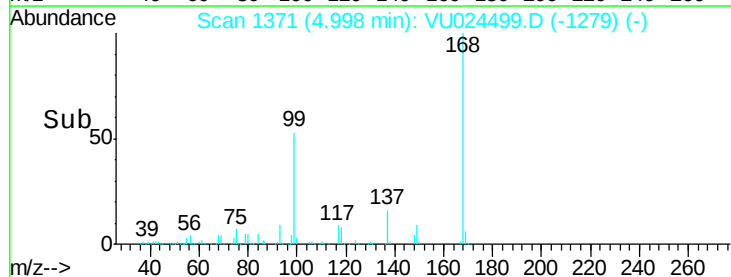
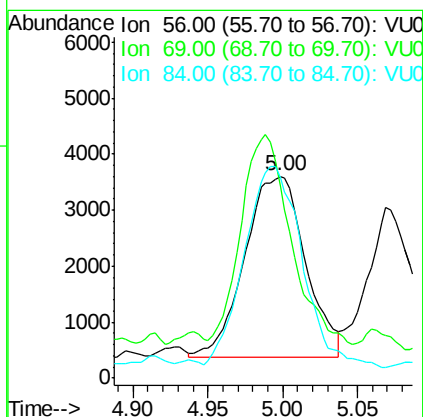
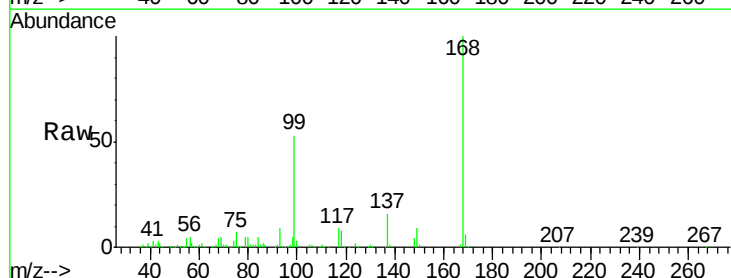
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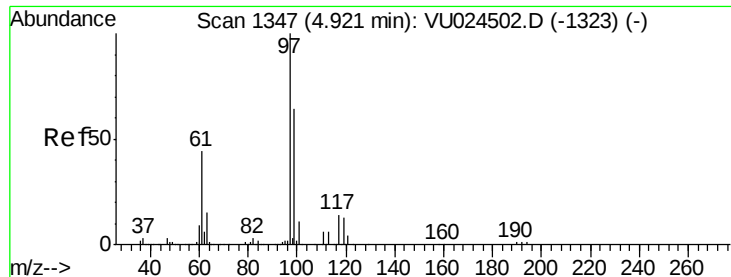
MMDadoda
6/14/2018 9:44:16 AM



#31
Cyclohexane
Concen: 1.544 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Tgt Ion: 56 Resp: 9141
Ion Ratio Lower Upper
56 100
69 82.7 24.8 37.2#
84 102.8 65.2 97.8#





#32

1,1,1-Trichloroethane

Concen: 1.095 ug/l

RT: 4.91 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

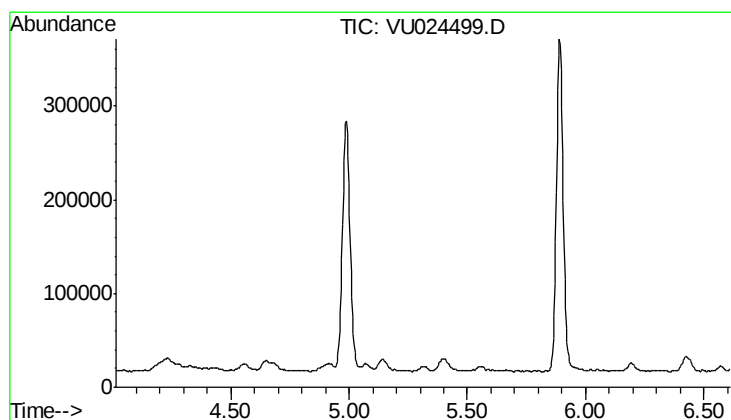
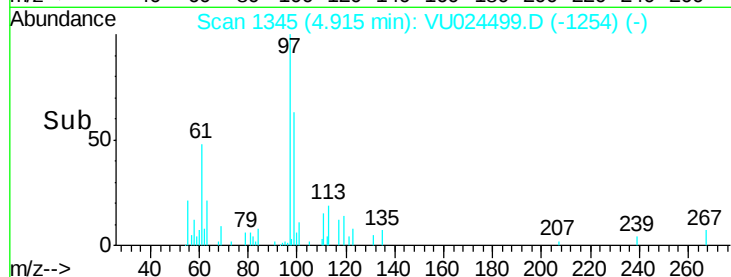
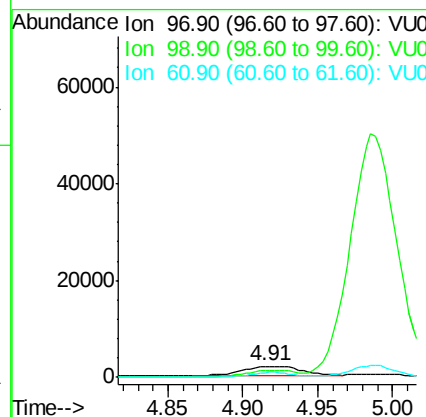
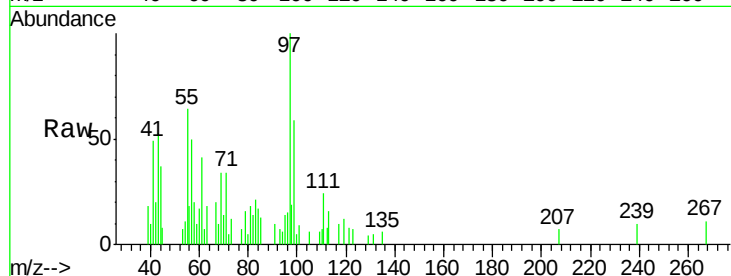
ClientSampleId :

VSTDIC001

Tgt Ion:	97	Resp:	5326
Ion	Ratio	Lower	Upper
97	100		
99	68.2	51.0	76.6
61	43.7	39.4	59.0

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6/14/2018 9:44:16 AM



#33

1,2-Dichloroethane-d4

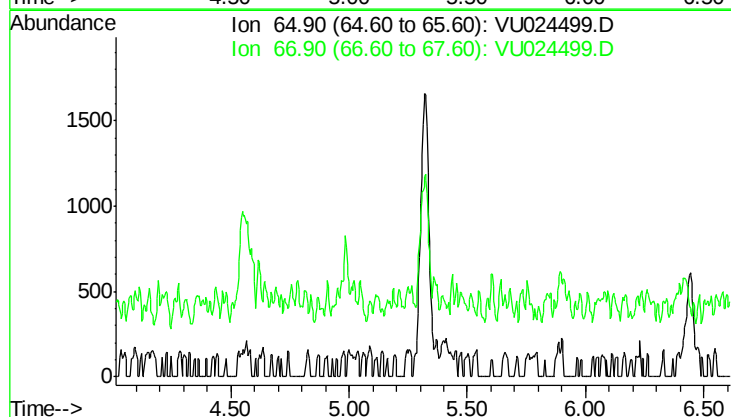
Concen: 0.000 ug/l

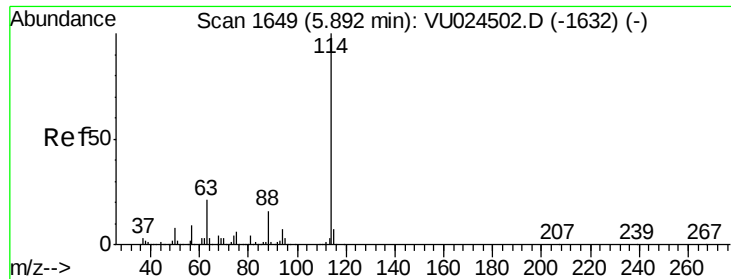
Expected RT: 5.31 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Tgt Ion:	65
Sig	Exp Ratio
65	100
67	53.5





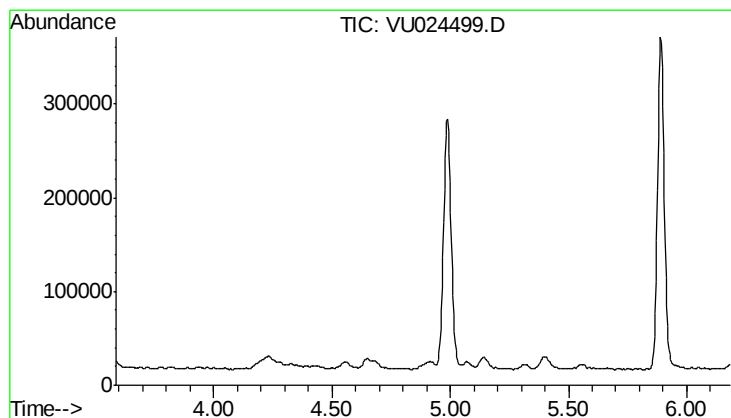
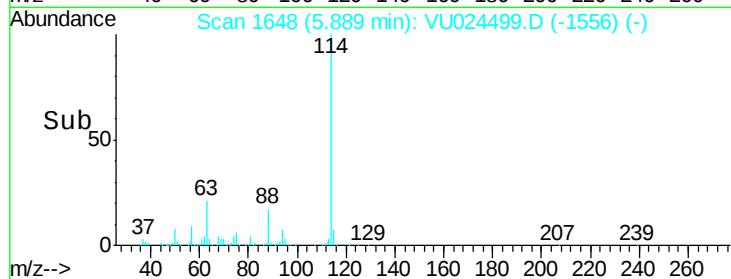
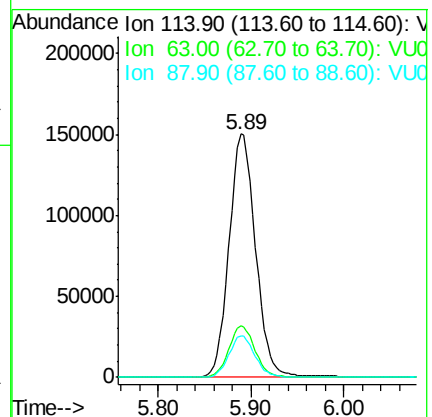
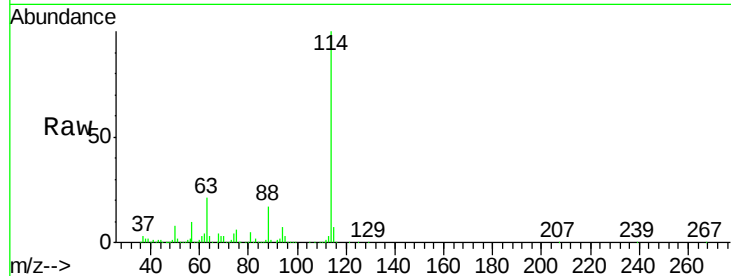
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.89 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Resp Lower	Upper
114	100		
63	21.2	0.0	45.4
88	17.1	0.0	31.0

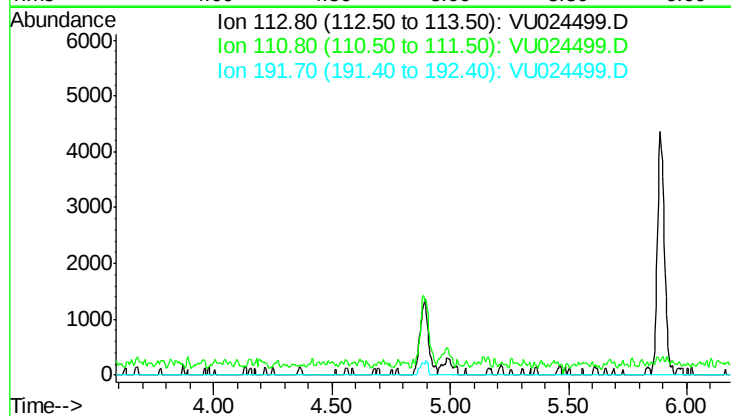
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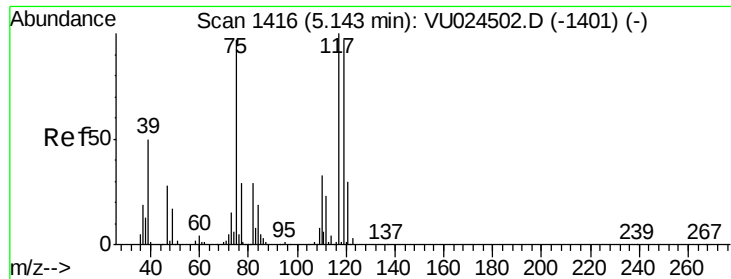
MMDadoda
6/14/2018 9:44:16 AM



#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 4.89 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Tgt Ion	Sig	Exp Ratio
113	100	
111	102.8	
192	20.3	





#36

1,1-Dichloropropene

Concen: 0.951 ug/l

RT: 5.14 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

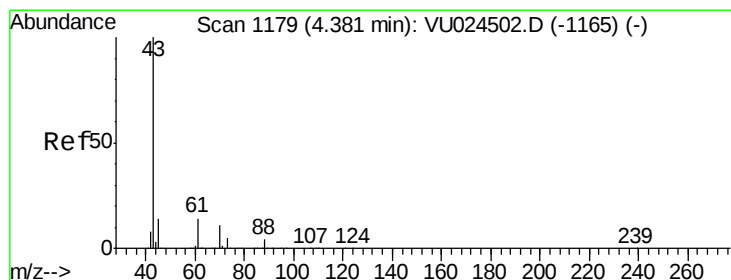
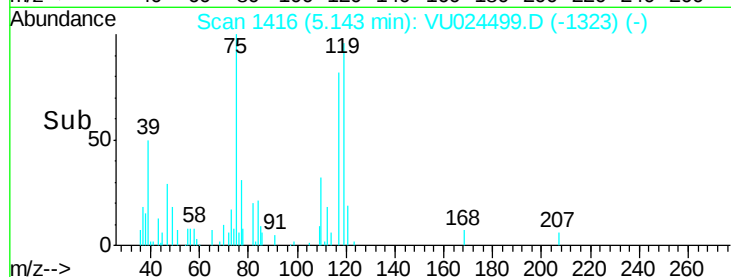
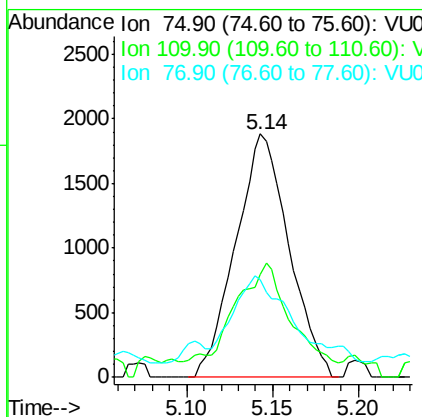
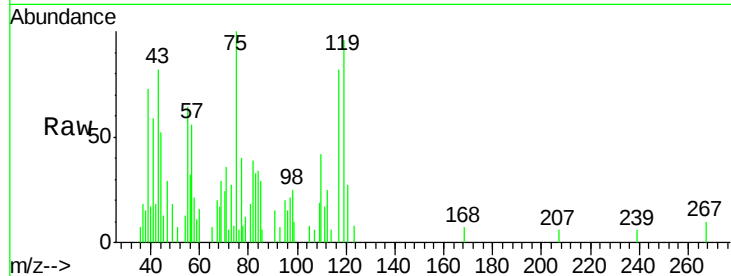
ClientSampleId :

VSTDIC001

Tgt Ion:	75	Resp:	4062
Ion Ratio	Lower	Upper	
75	100		
110	54.3	17.0	50.9#
77	39.6	24.2	36.4#

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#37

Ethyl Acetate

Concen: 0.703 ug/l

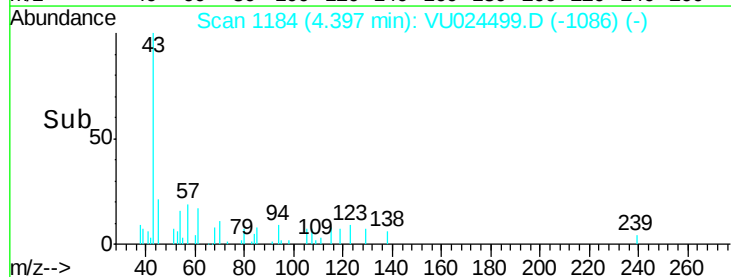
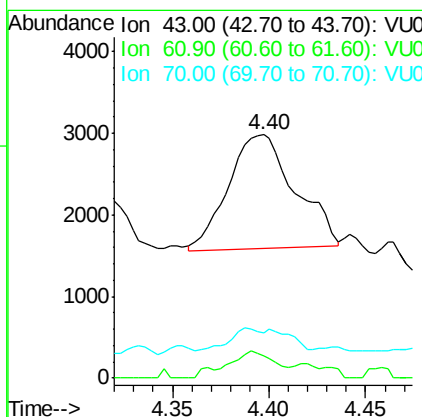
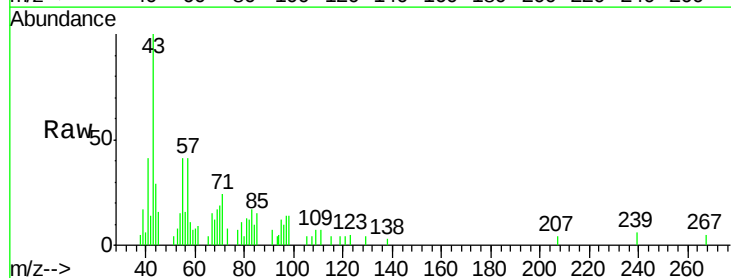
RT: 4.40 min Scan# 1184

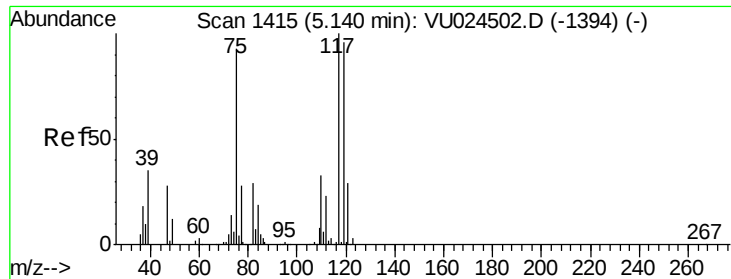
Delta R.T. 0.02 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Tgt Ion:	43	Resp:	3366
Ion Ratio	Lower	Upper	
43	100		
61	17.0	10.5	15.7#
70	8.5	7.4	11.2





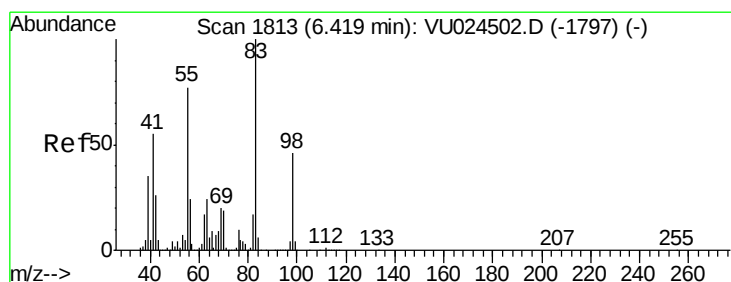
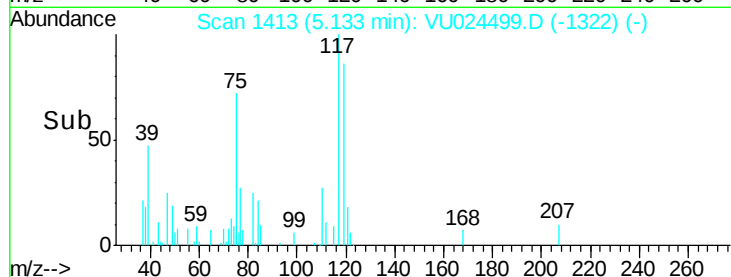
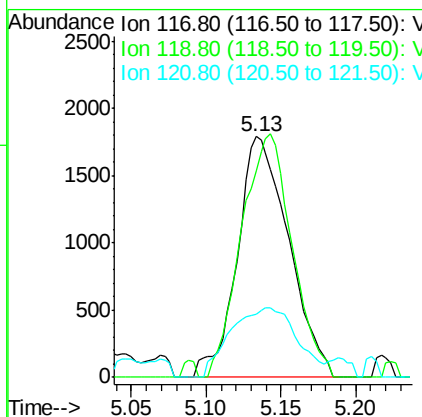
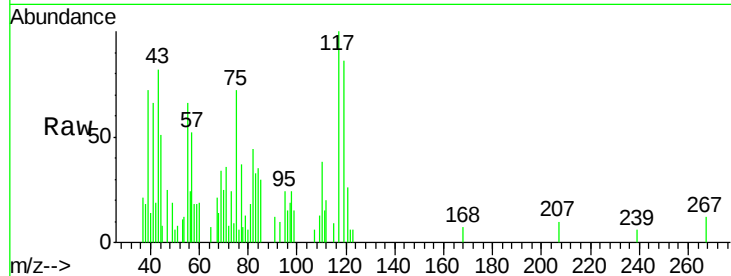
#38
Carbon Tetrachloride
Concen: 1.053 ug/l
RT: 5.13 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
117	100		
119	85.9	76.1	114.1
121	26.4	23.7	35.5

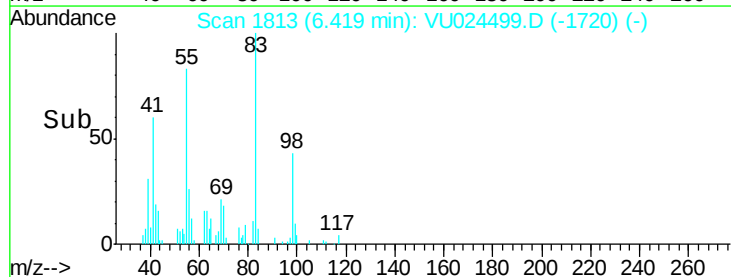
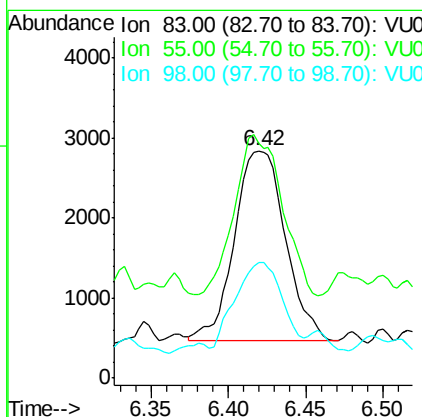
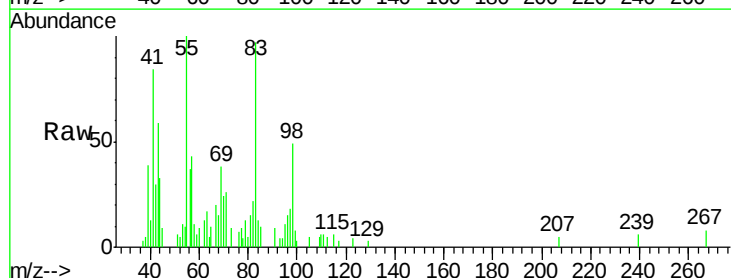
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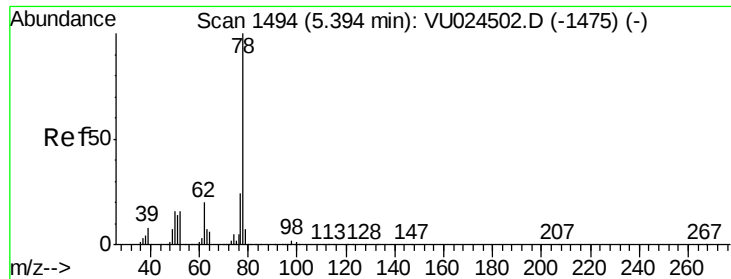
MMDadoda
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#39
Methylcyclohexane
Concen: 1.179 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.5	65.8	98.6
98	45.4	36.7	55.1





#40

Benzene

Concen: 0.871 ug/l

RT: 5.40 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 78 Resp: 11206

Ion Ratio Lower Upper

78 100

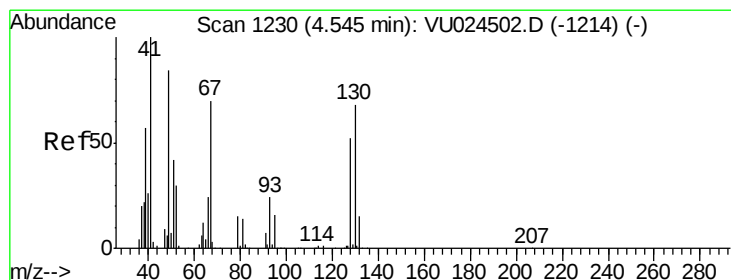
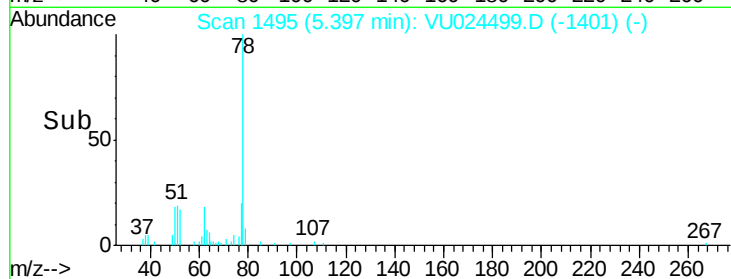
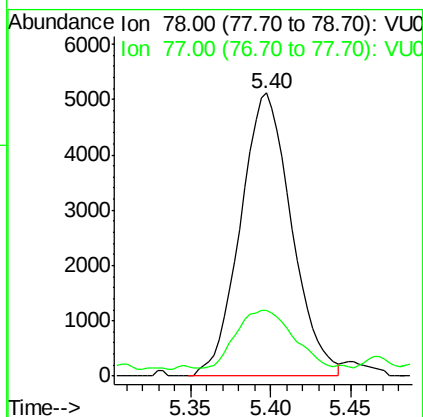
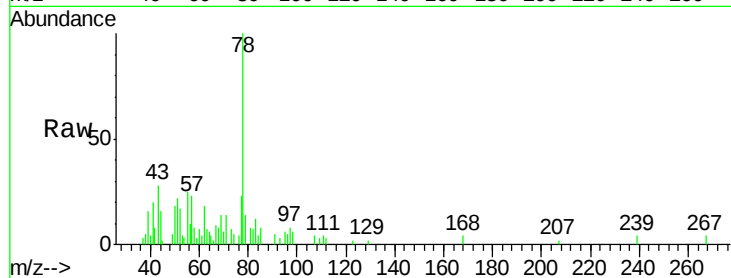
77 19.9 19.2 28.8

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#41

Methacrylonitrile

Concen: 0.634 ug/l m

RT: 4.55 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Tgt Ion: 41 Resp: 1701

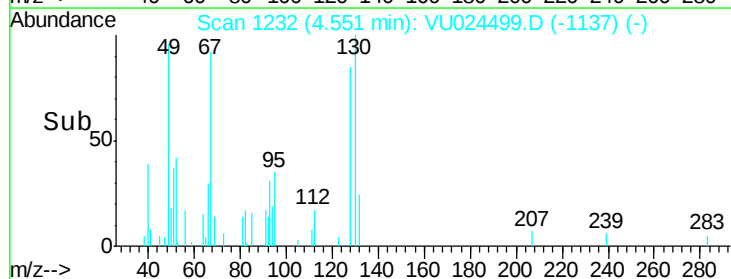
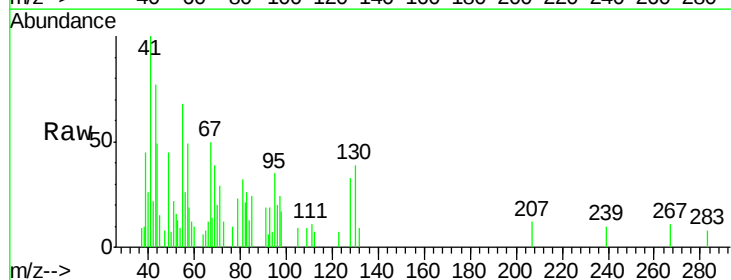
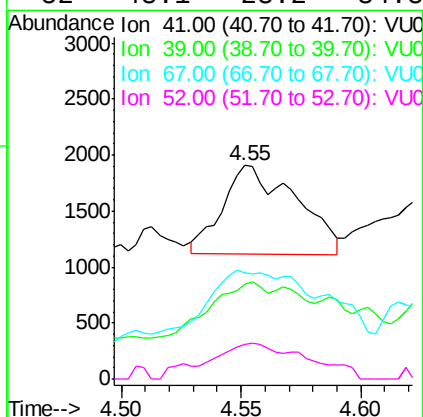
Ion Ratio Lower Upper

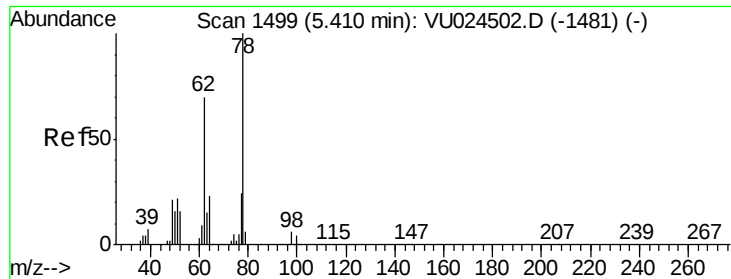
41 100

39 47.4 43.8 65.6

67 84.7 56.3 84.5#

52 48.1 23.2 34.8#





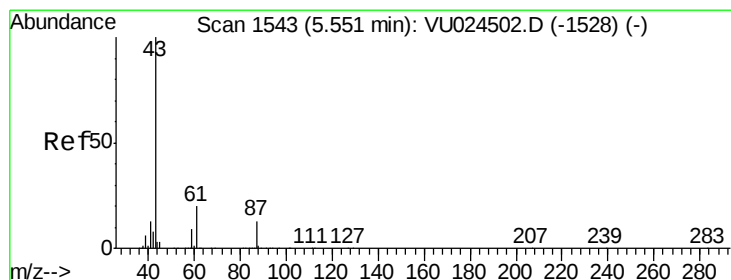
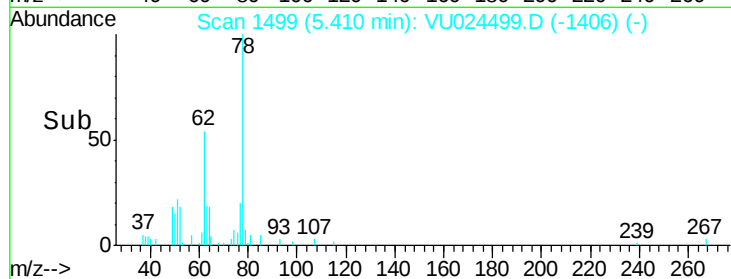
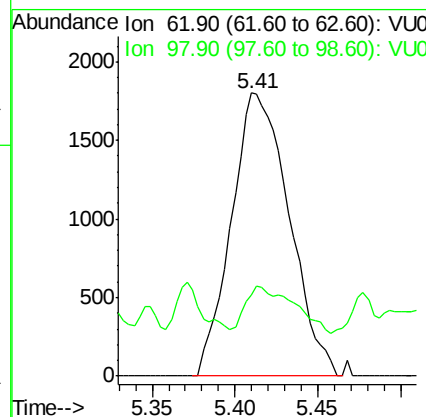
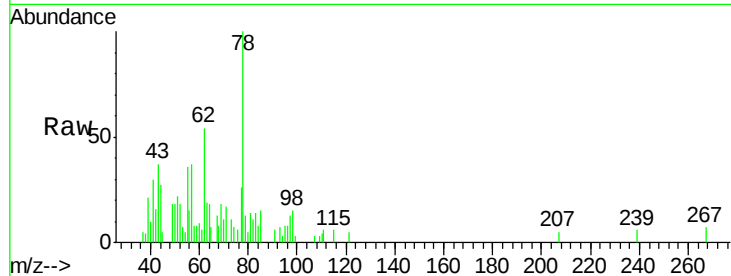
#42
 1,2-Dichloroethane
 Concen: 0.884 ug/l
 RT: 5.41 min Scan# 1499
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
62	100		
98	13.9	0.0	16.6

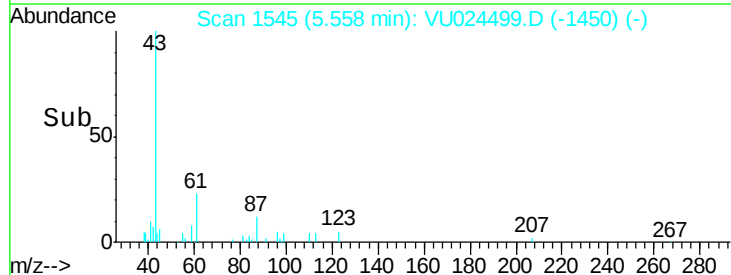
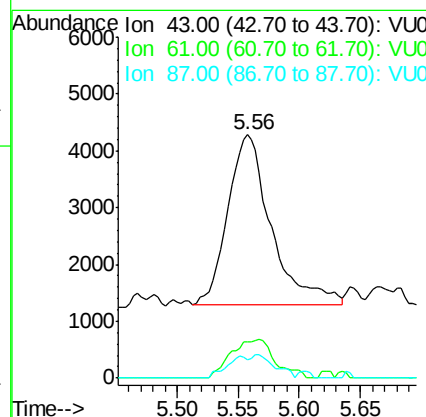
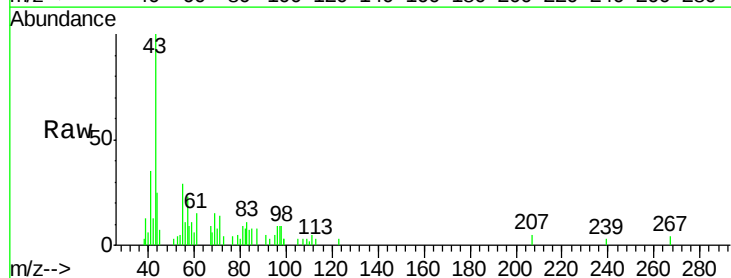
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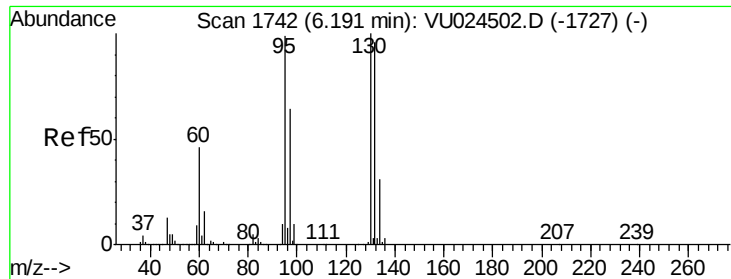
MMDadoda
 6/14/2018 9:44:16 AM



#43
 Isopropyl Acetate
 Concen: 1.022 ug/l
 RT: 5.56 min Scan# 1545
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion	Ratio	Lower	Upper
43	100		
61	22.8	15.4	23.0
87	6.4	10.0	15.0





#44

Trichloroethene

Concen: 1.029 ug/l

RT: 6.20 min Scan# 1744

Delta R.T. 0.01 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion:130 Resp: 3452

Ion Ratio Lower Upper

130 100

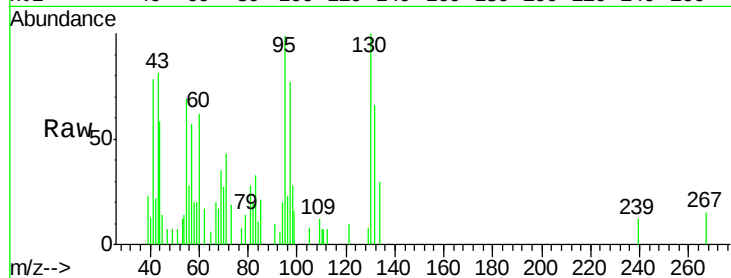
95 78.8 0.0 202.4

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Abundance Ion 129.80 (129.50 to 130.50): VU024499.D (-1649) (-)

Ion 94.90 (94.60 to 95.60): VU024499.D (-1649) (-)

6.20

1500

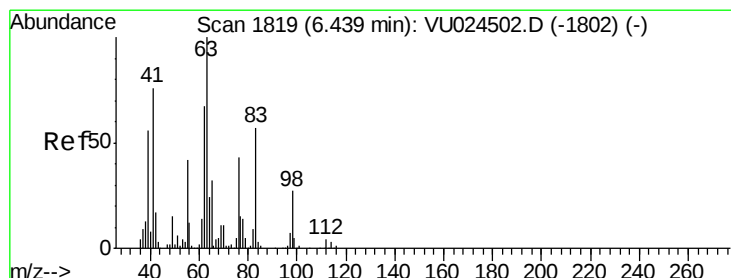
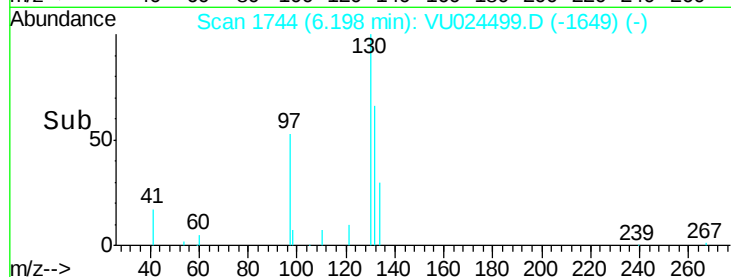
1000

500

0

6.15 6.20 6.25

Time-->



#45

1,2-Dichloropropane

Concen: 0.846 ug/l

RT: 6.44 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VU024499.D

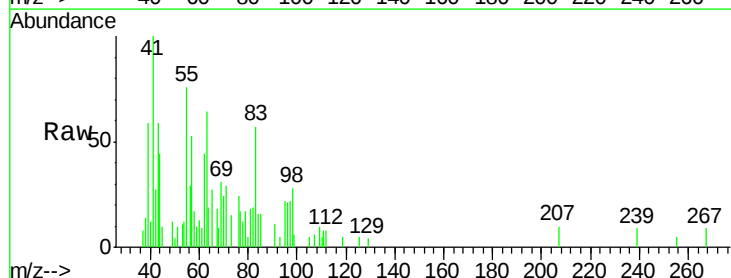
Acq: 13 Jun 2018 11:33

Tgt Ion: 63 Resp: 2925

Ion Ratio Lower Upper

63 100

65 34.4 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VU024499.D (-1726) (-)

Ion 64.90 (64.60 to 65.60): VU024499.D (-1726) (-)

6.44

1500

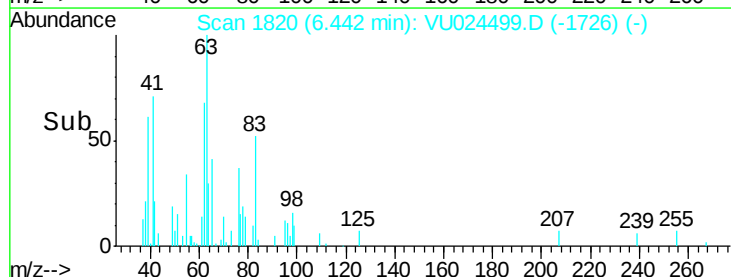
1000

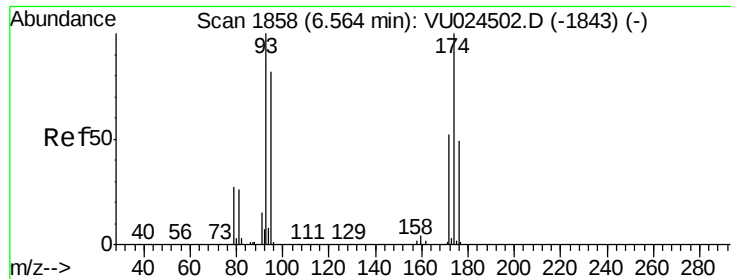
500

0

6.40 6.45 6.50

Time-->





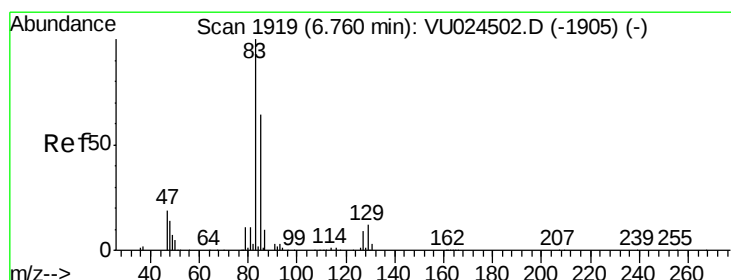
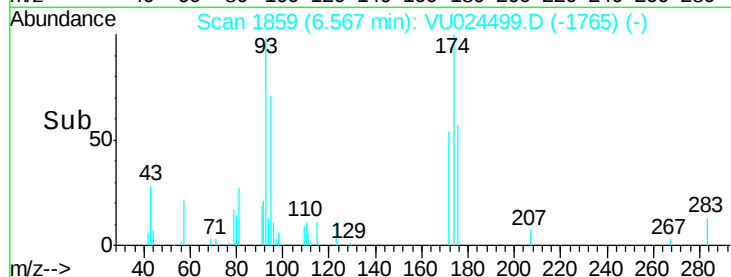
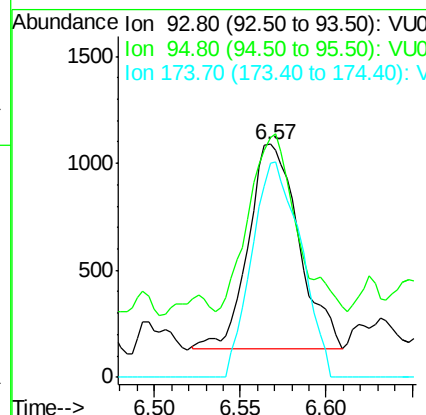
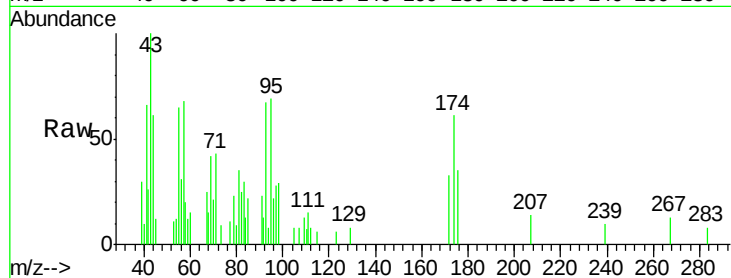
#46
Dibromomethane
Concen: 0.847 ug/l
RT: 6.57 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 93 Resp: 1939
Ion Ratio Lower Upper
93 100
95 81.0 65.5 98.3
174 102.5 78.7 118.1

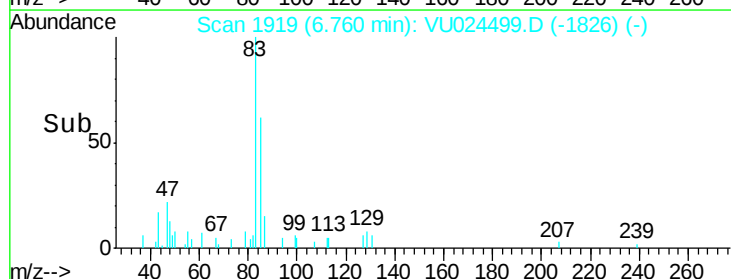
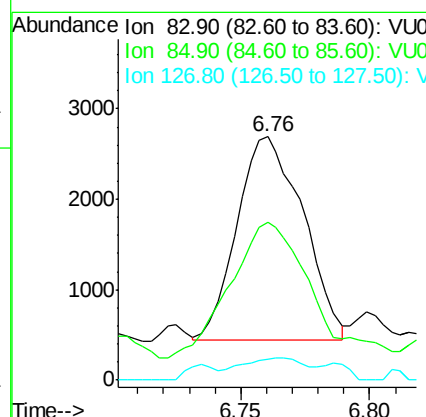
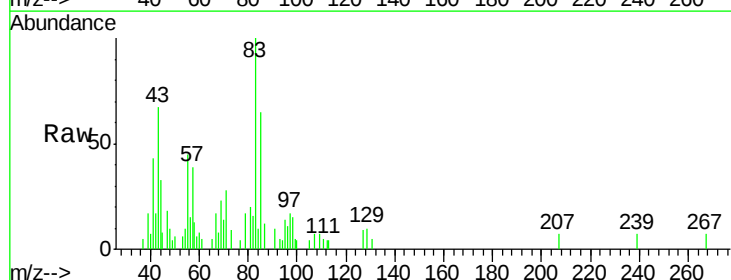
Manual Integrations
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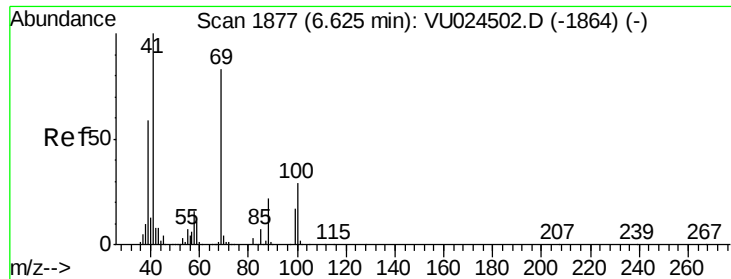
MMDadoda
6/14/2018 9:44:16 AM



#47
Bromodichloromethane
Concen: 0.906 ug/l
RT: 6.76 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Tgt Ion: 83 Resp: 4016
Ion Ratio Lower Upper
83 100
85 61.3 51.9 77.9
127 4.3 6.6 9.8#





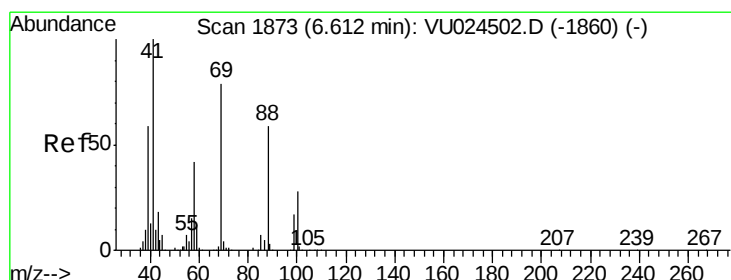
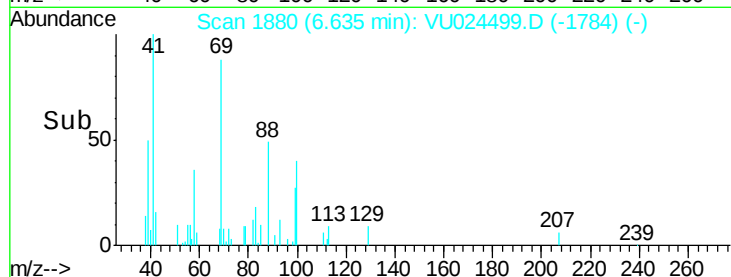
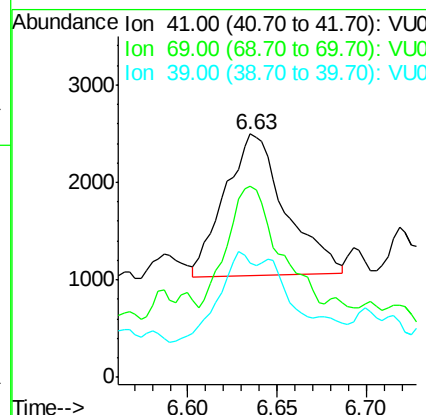
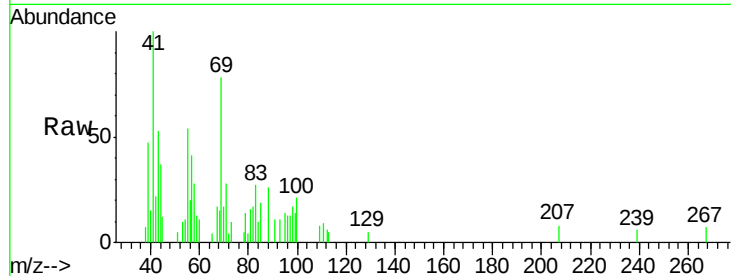
#48
Methyl methacrylate
Concen: 0.966 ug/l
RT: 6.63 min Scan# 1880
Delta R.T. 0.01 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.8	67.3	100.9
39	37.2	46.5	69.7#

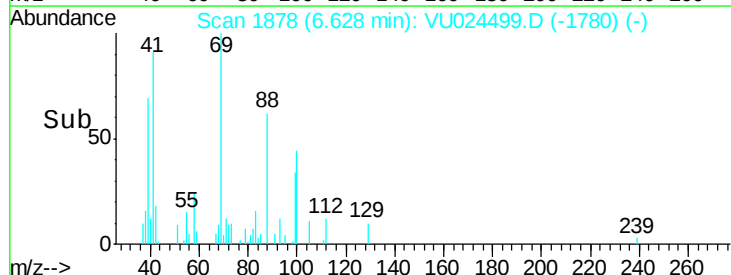
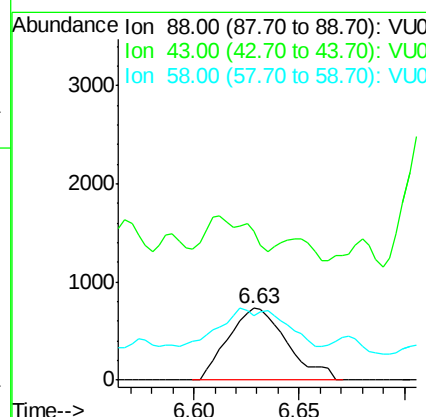
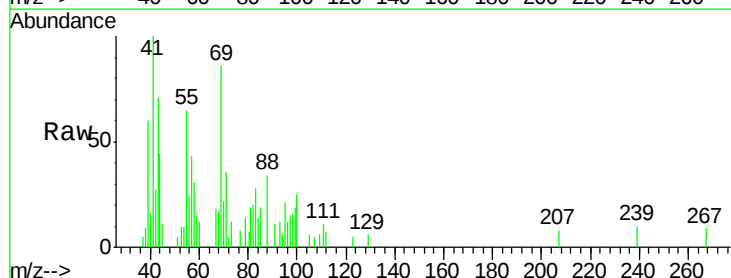
Manual Integrations
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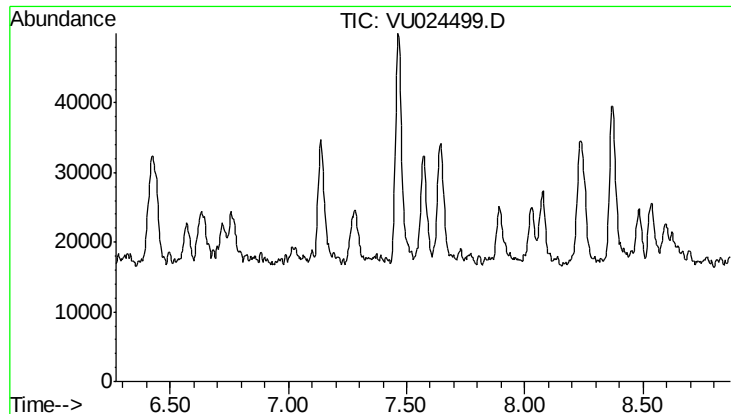
MMDadoda
6/14/2018 9:44:16 AM



#49
1,4-Dioxane
Concen: 18.748 ug/l
RT: 6.63 min Scan# 1878
Delta R.T. 0.02 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.2	28.6	42.8
58	30.6	58.2	87.4#





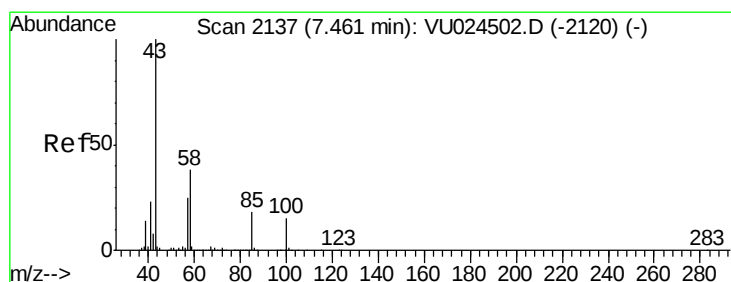
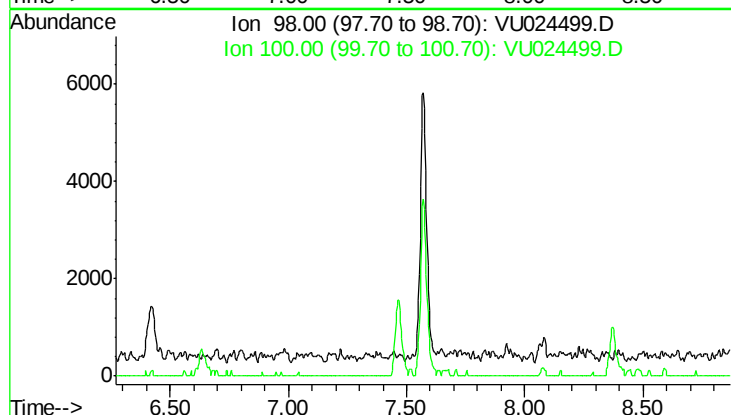
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.57 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Tgt Ion: 98
Sig Exp Ratio
98 100
100 63.9

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

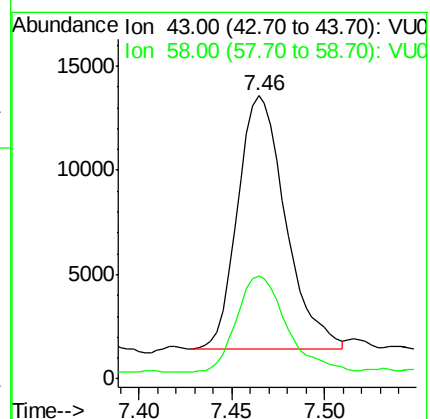
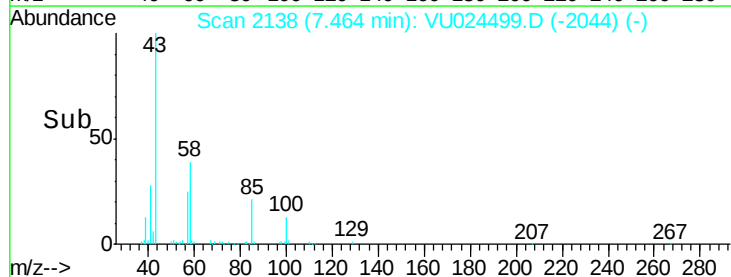
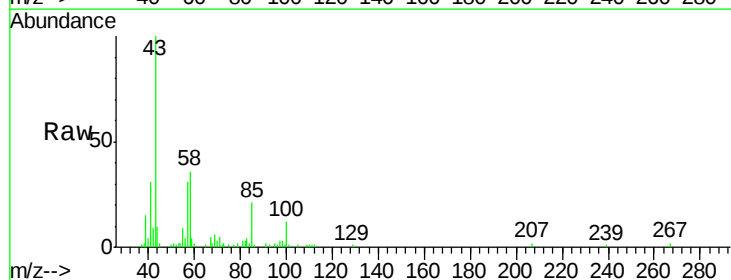
Manual Integrations
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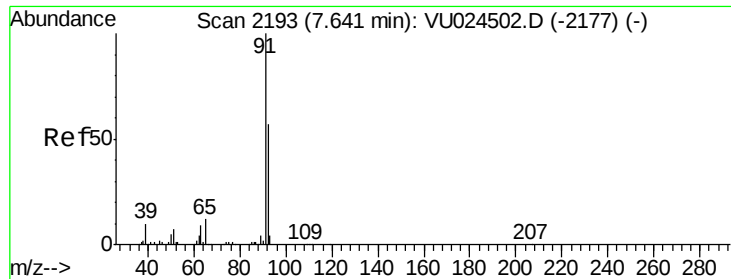
MMDadoda
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#51
4-Methyl-2-Pentanone
Concen: 4.120 ug/l
RT: 7.46 min Scan# 2138
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Tgt Ion: 43 Resp: 21678
Ion Ratio Lower Upper
43 100
58 39.6 30.0 45.0





#52

Toluene

Concen: 0.976 ug/l

RT: 7.65 min Scan# 2195

Delta R.T. 0.01 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 92 Resp: 7458

Ion Ratio Lower Upper

92 100

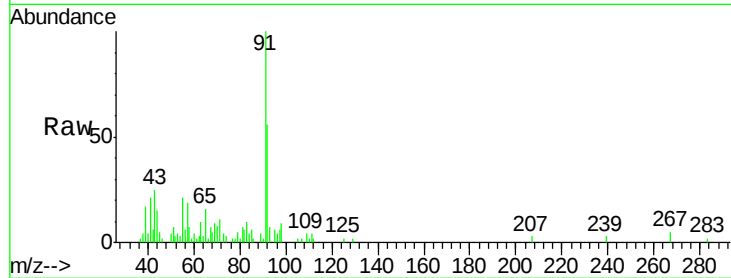
91 170.4 140.5 210.7

Manual Integrations

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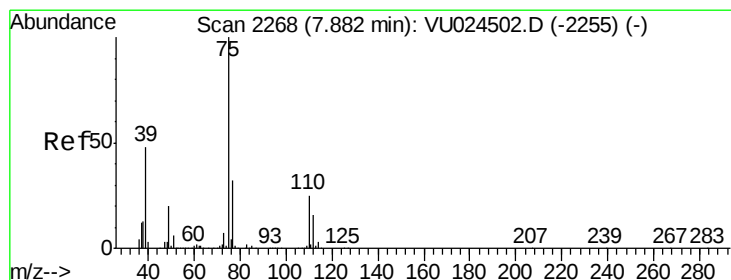
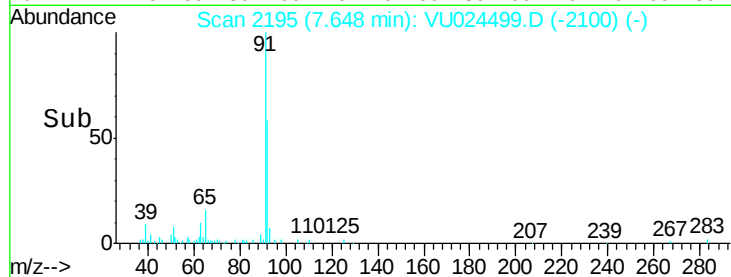
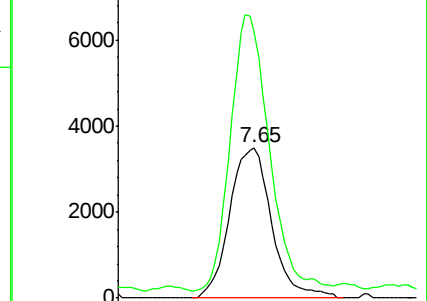
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Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#53

t-1,3-Dichloropropene

Concen: 0.931 ug/l

RT: 7.89 min Scan# 2271

Delta R.T. 0.01 min

Lab File: VU024499.D

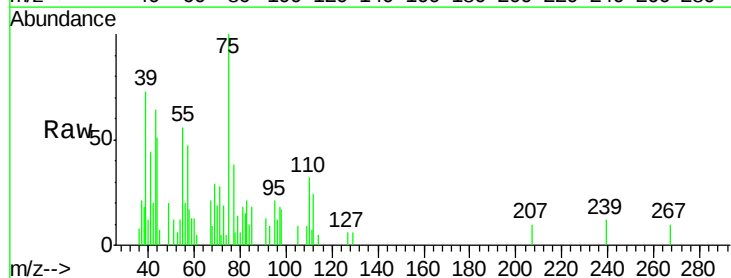
Acq: 13 Jun 2018 11:33

Tgt Ion: 75 Resp: 4290

Ion Ratio Lower Upper

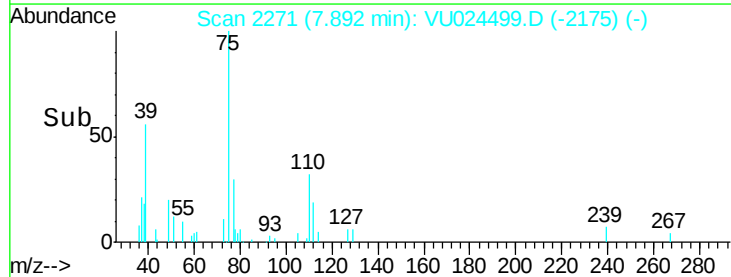
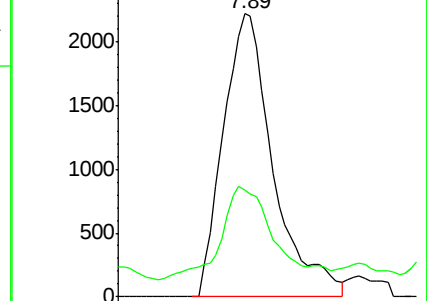
75 100

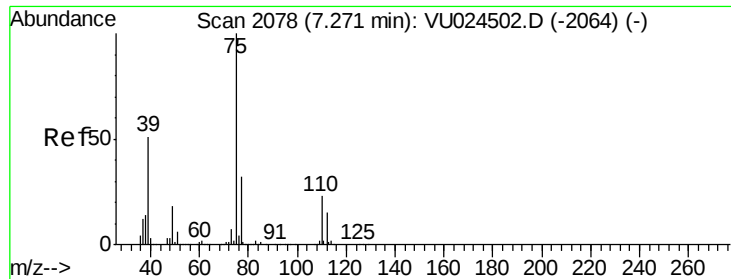
77 27.9 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0





#54

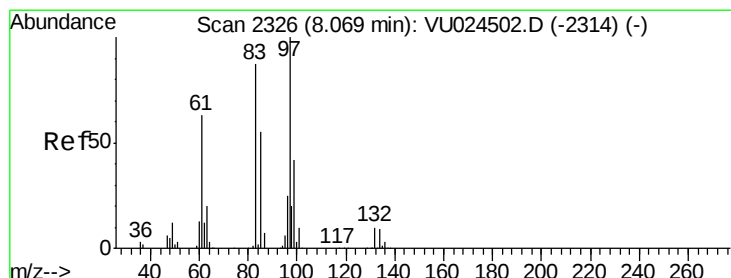
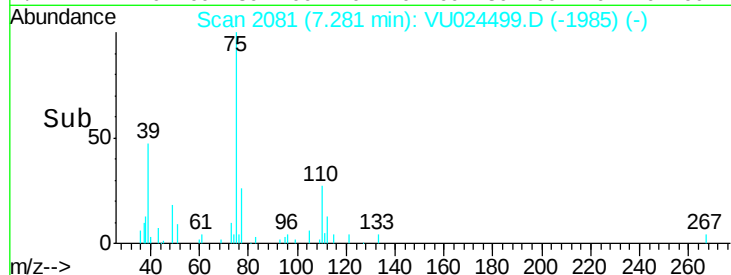
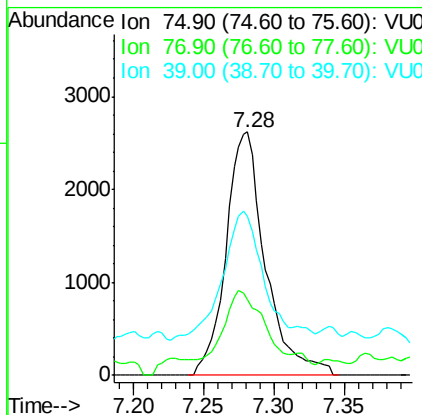
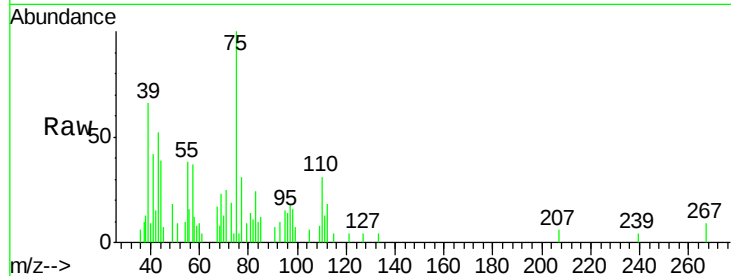
cis-1,3-Dichloropropene
Concen: 1.016 ug/l
RT: 7.28 min Scan# 2081
Delta R.T. 0.01 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:	75	Resp:	5108
Ion	Ratio	Lower	Upper
75	100		
77	25.3	24.6	36.8
39	48.5	39.8	59.6

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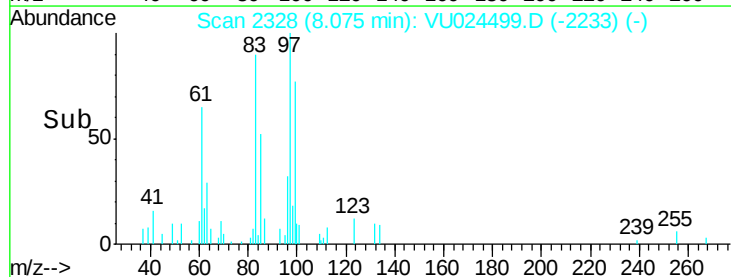
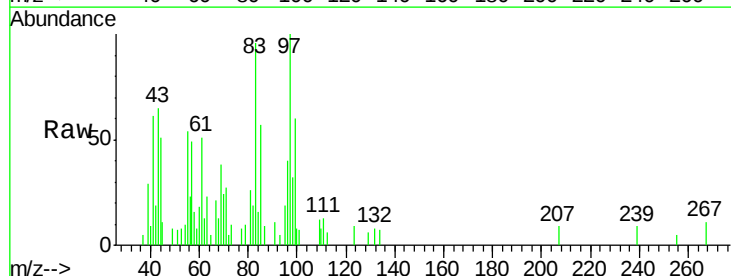
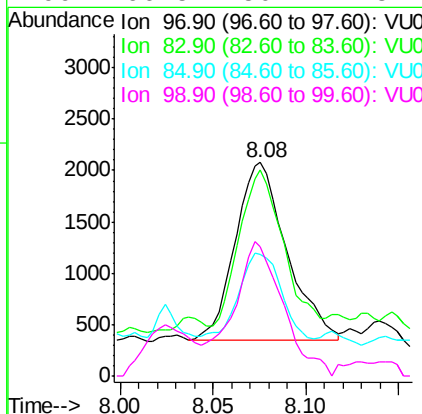
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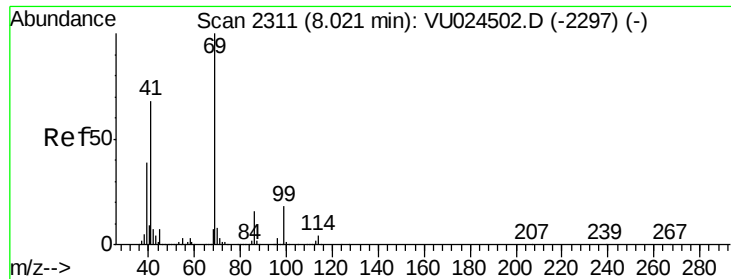


#55

1,1,2-Trichloroethane
Concen: 1.018 ug/l
RT: 8.08 min Scan# 2328
Delta R.T. 0.01 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Tgt Ion:	97	Resp:	3335
Ion	Ratio	Lower	Upper
97	100		
83	82.4	70.5	105.7
85	45.5	46.4	69.6#
99	66.5	50.2	75.2





#56

Ethyl methacrylate

Concen: 1.121 ug/l

RT: 8.02 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

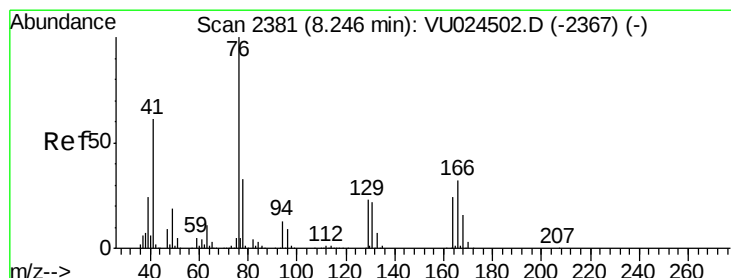
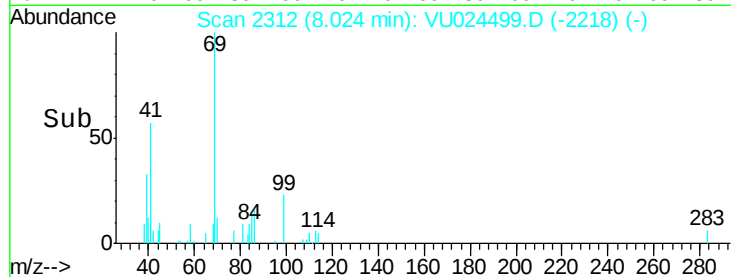
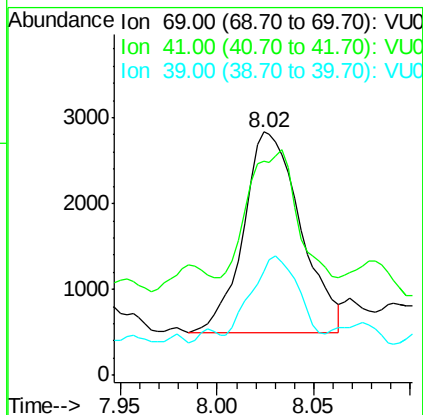
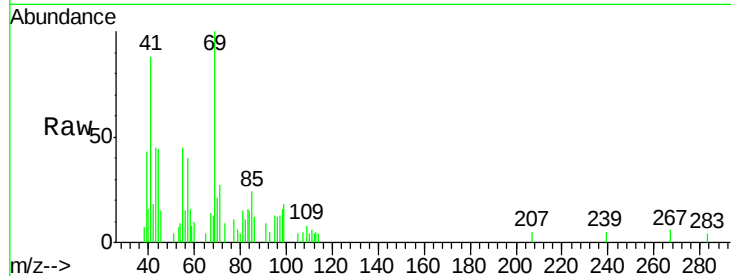
ClientSampleId :

VSTDIC001

Tgt Ion:	69	Resp:	4786
Ion	Ratio	Lower	Upper
69	100		
41	65.0	54.1	81.1
39	35.0	30.3	45.5

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#57

1,3-Dichloropropane

Concen: 0.893 ug/l

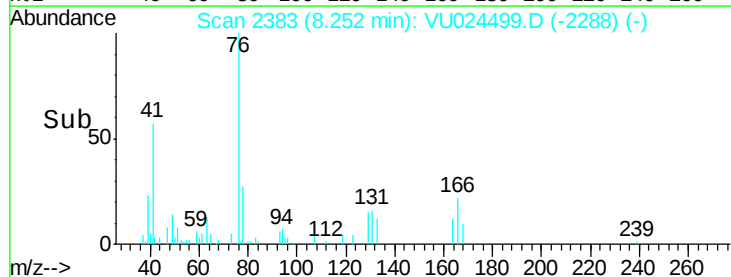
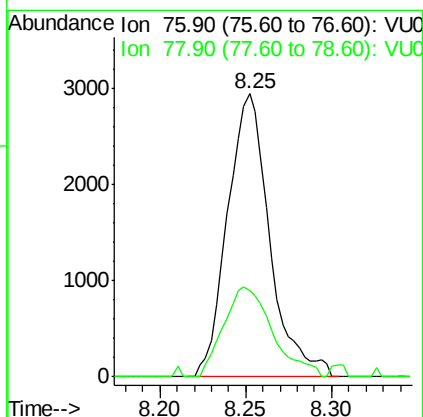
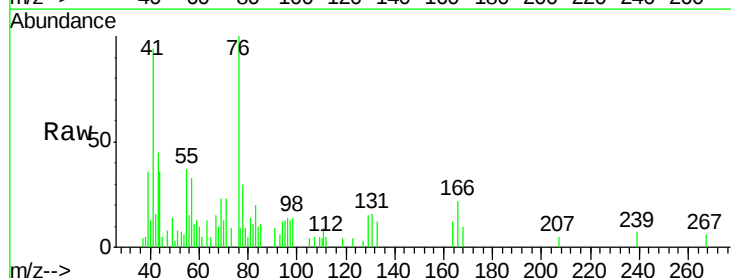
RT: 8.25 min Scan# 2383

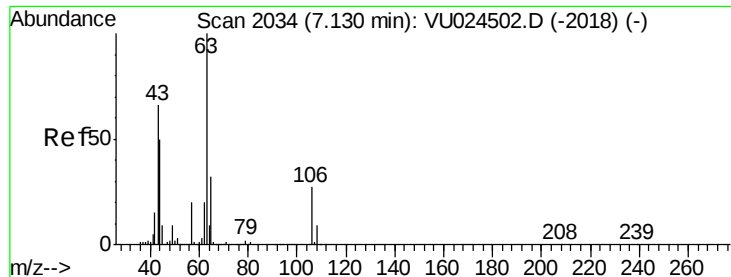
Delta R.T. 0.01 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Tgt Ion:	76	Resp:	5028
Ion	Ratio	Lower	Upper
76	100		
78	36.7	25.2	37.8





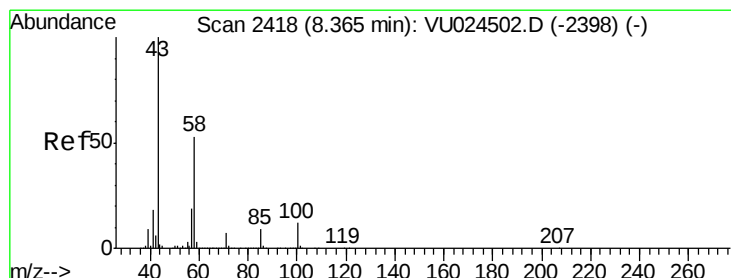
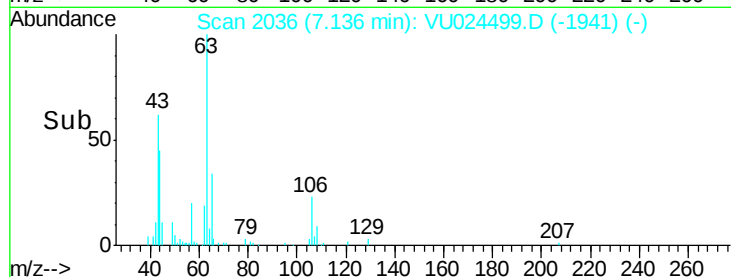
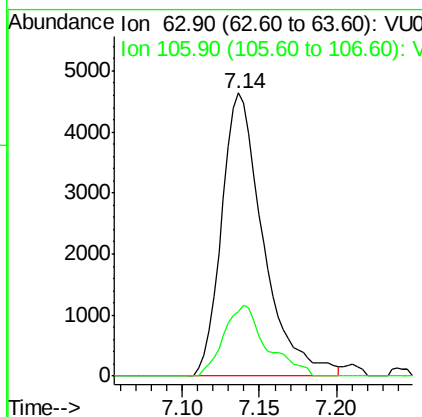
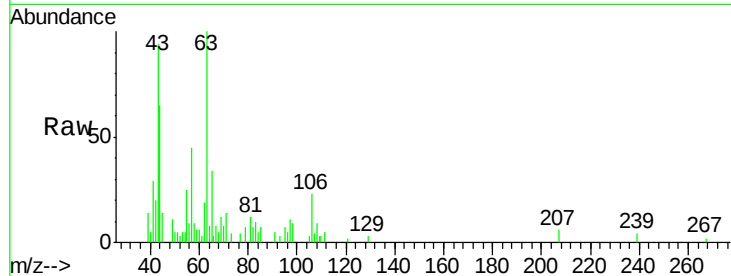
#58
 2-Chloroethyl Vinyl ether
 Concen: 3.946 ug/l
 RT: 7.14 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion: 63 Resp: 8668
 Ion Ratio Lower Upper
 63 100
 106 25.6 20.2 30.2

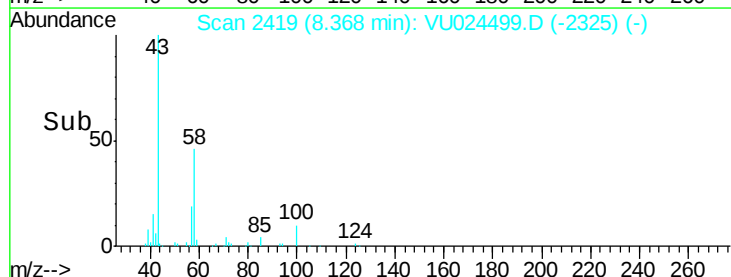
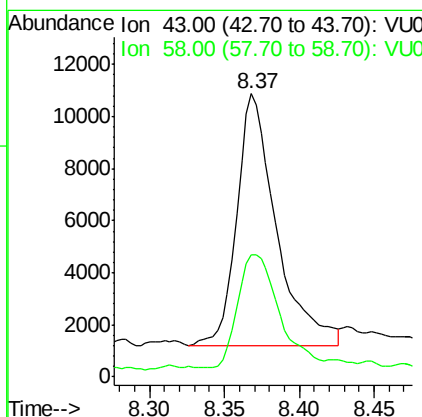
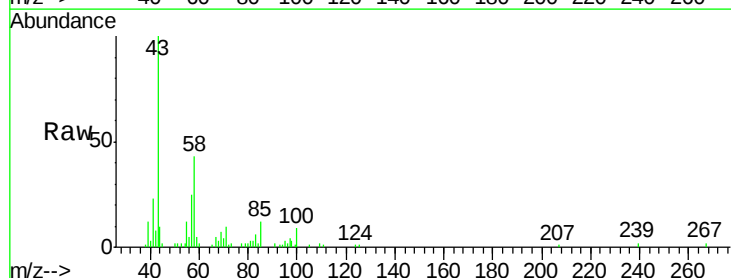
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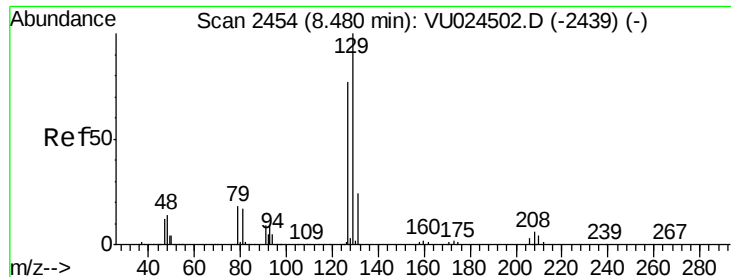
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#59
 2-Hexanone
 Concen: 4.269 ug/l
 RT: 8.37 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion: 43 Resp: 17971
 Ion Ratio Lower Upper
 43 100
 58 46.5 26.4 79.0





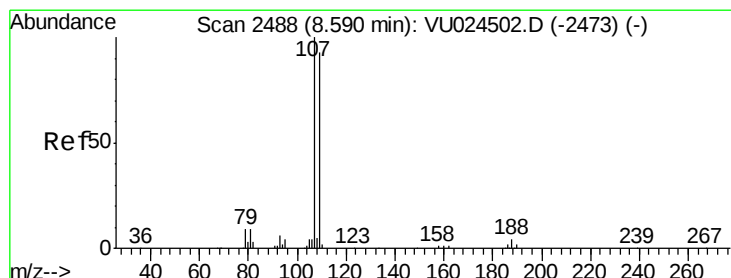
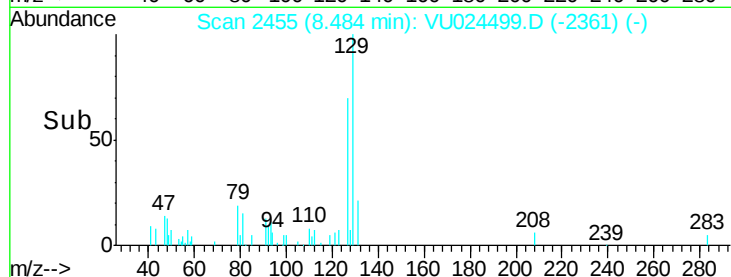
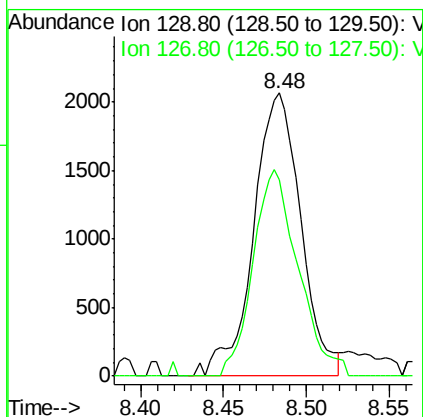
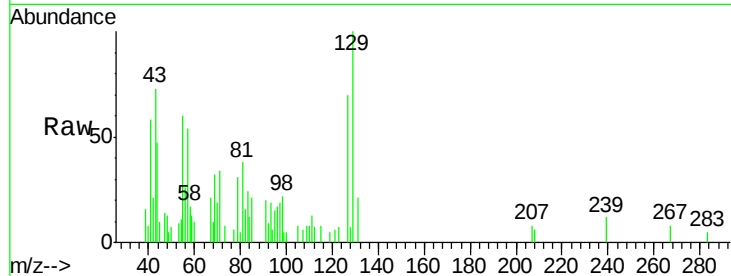
#60
 Dibromochloromethane
 Concen: 1.232 ug/l
 RT: 8.48 min Scan# 2455
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion:129 Resp: 4096
 Ion Ratio Lower Upper
 129 100
 127 70.0 38.6 116.0

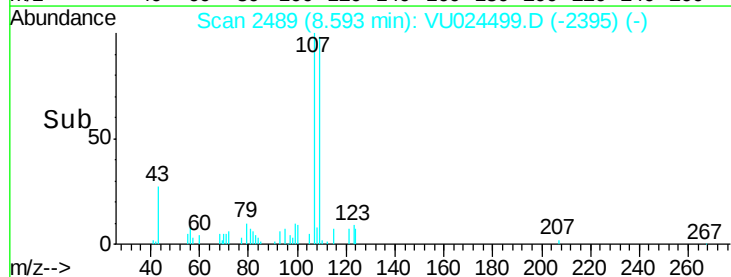
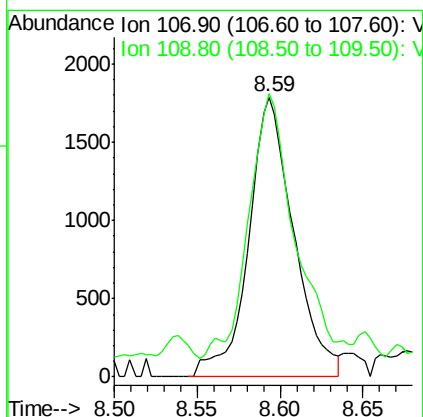
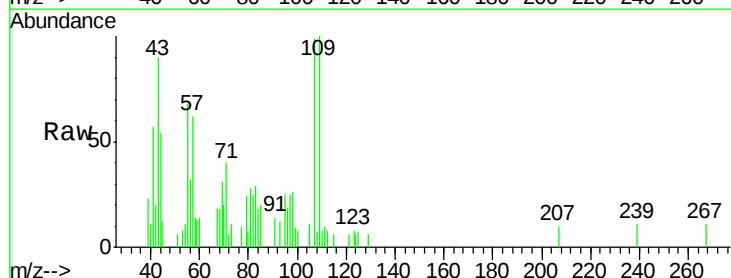
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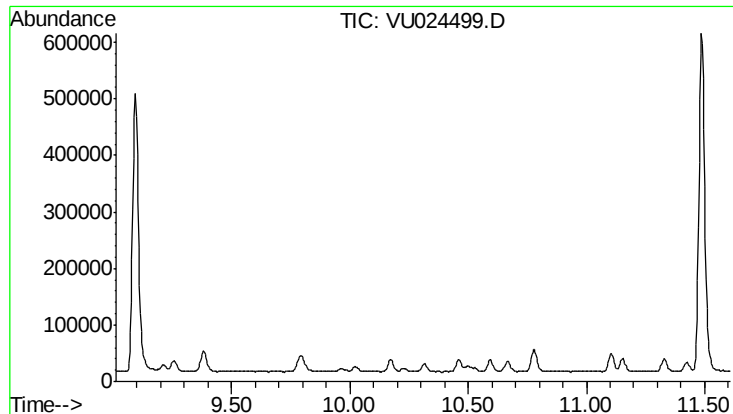
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#61
 1,2-Dibromoethane
 Concen: 0.984 ug/l
 RT: 8.59 min Scan# 2489
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion:107 Resp: 3373
 Ion Ratio Lower Upper
 107 100
 109 95.9 74.5 111.7





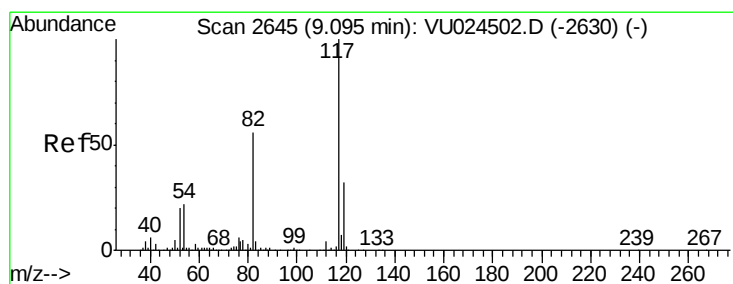
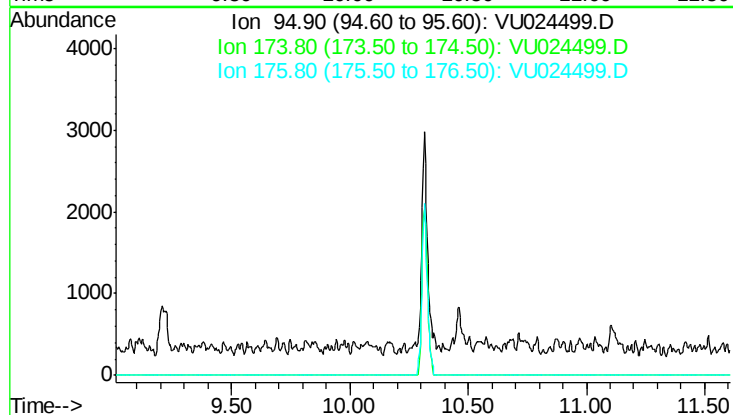
#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 10.31 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion: 95
 Sig Exp Ratio
 95 100
 174 82.9
 176 79.7

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

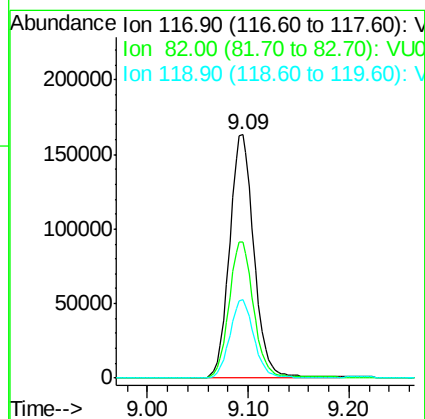
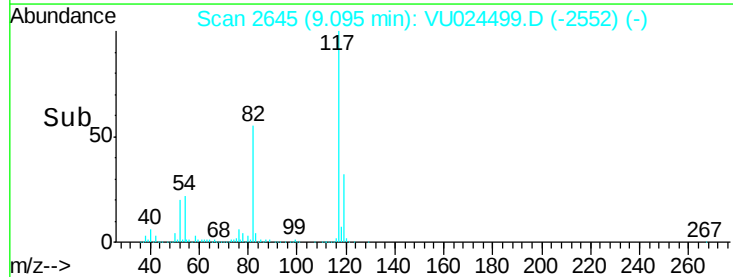
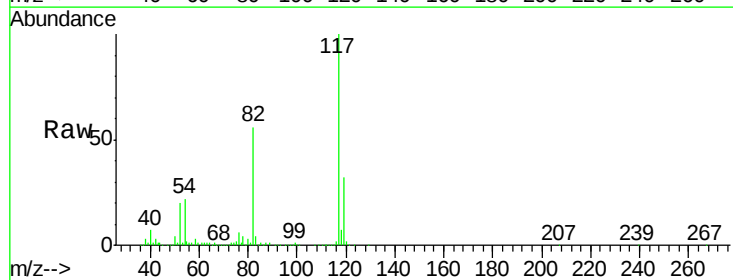
Manual Integrations
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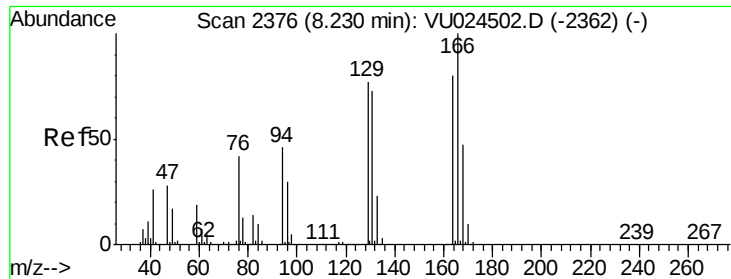
MMDadoda
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#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion: 117 Resp: 277275
 Ion Ratio Lower Upper
 117 100
 82 55.5 44.3 66.5
 119 32.1 25.4 38.2





#64

Tetrachloroethene

Concen: 1.076 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU024499.D

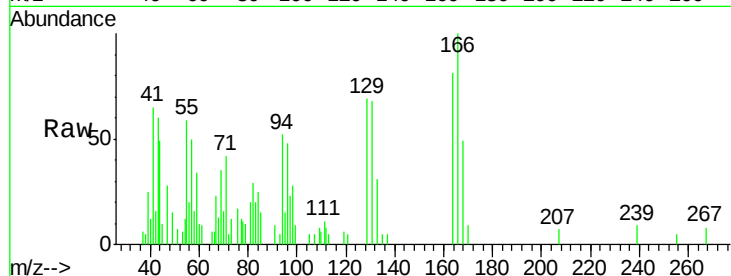
Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001



Tgt Ion:164 Resp: 2965

Ion Ratio Lower Upper

164 100

166 123.8 101.7 152.5

129 76.0 76.9 115.3#

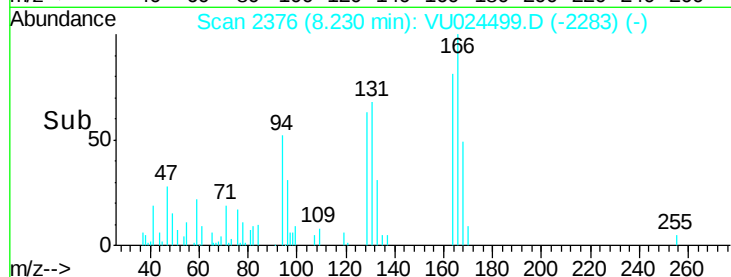
131 84.7 74.9 112.3

Manual Integrations

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MMDadoda

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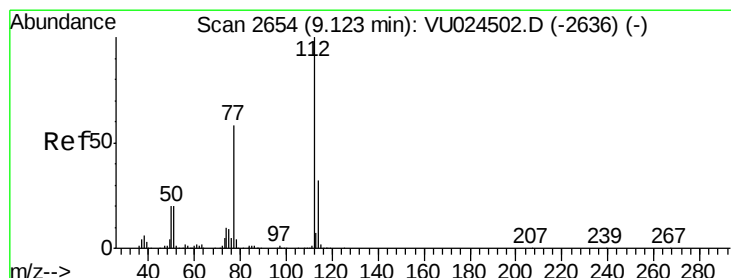
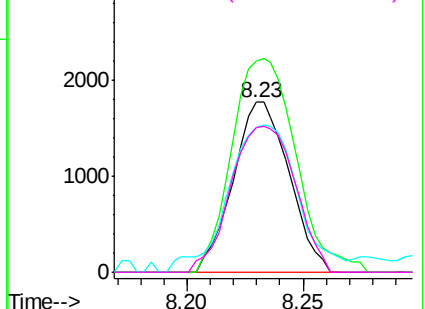


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.995 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU024499.D

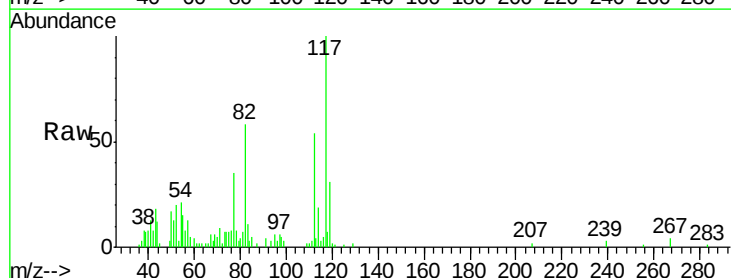
Acq: 13 Jun 2018 11:33

Tgt Ion:112 Resp: 8032

Ion Ratio Lower Upper

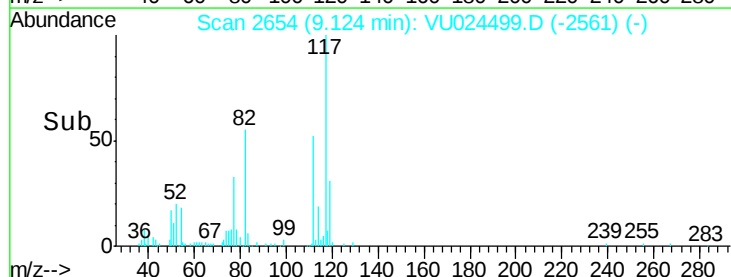
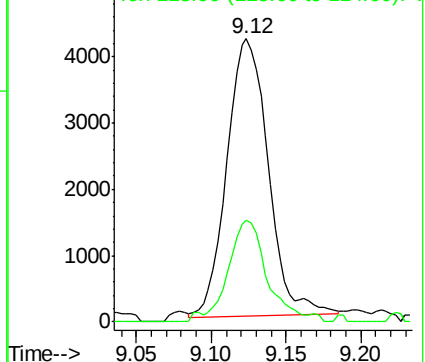
112 100

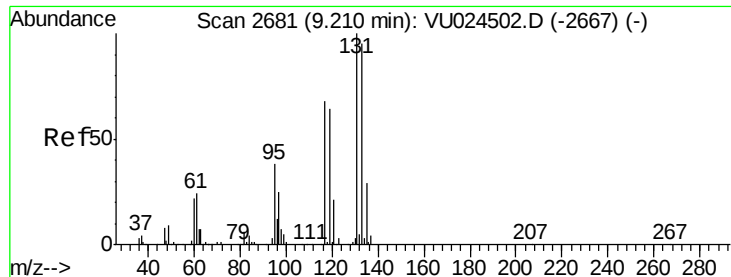
114 36.9 25.6 38.4



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: 1.104 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

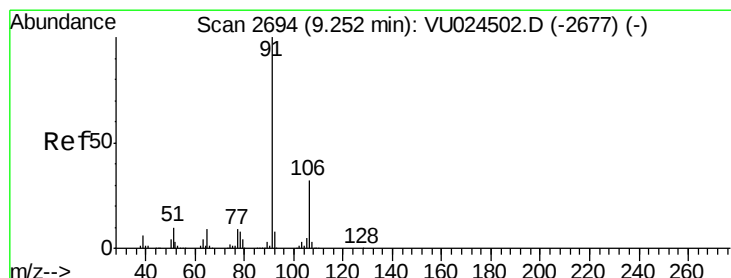
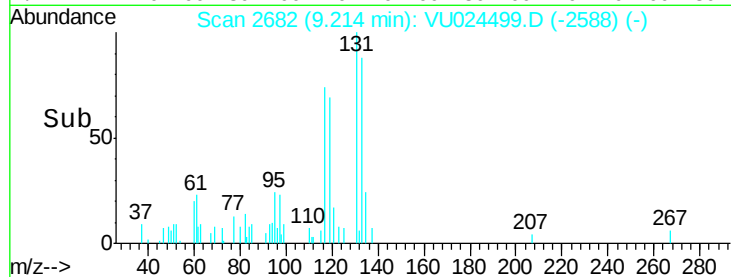
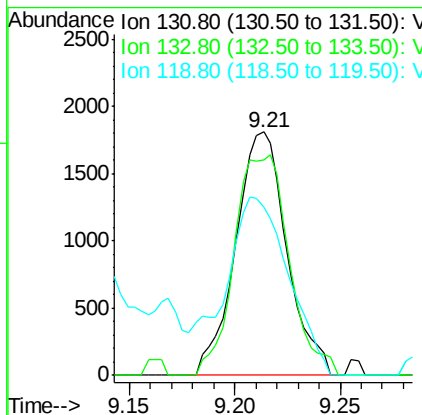
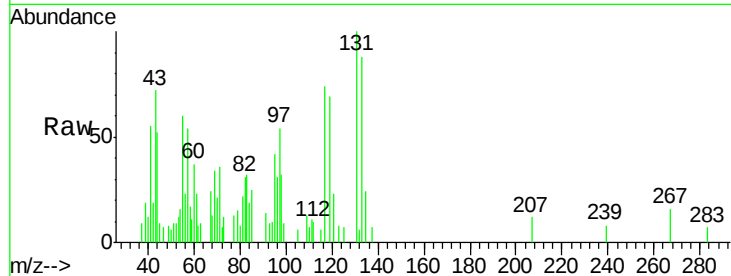
ClientSampleId :

VSTDIC001

Tgt Ion:	131	Resp:	3059
Ion Ratio	Lower	Upper	
131	100		
133	96.8	46.9	140.8
119	91.4	33.5	100.4

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#67

Ethyl Benzene

Concen: 1.111 ug/l

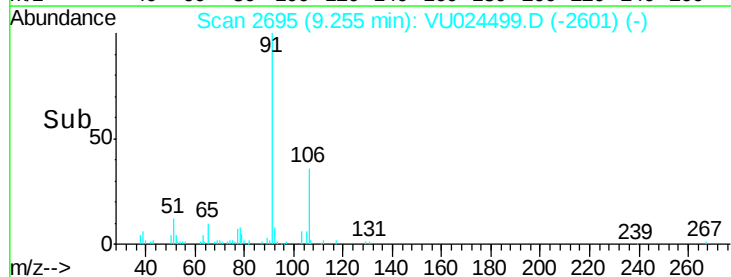
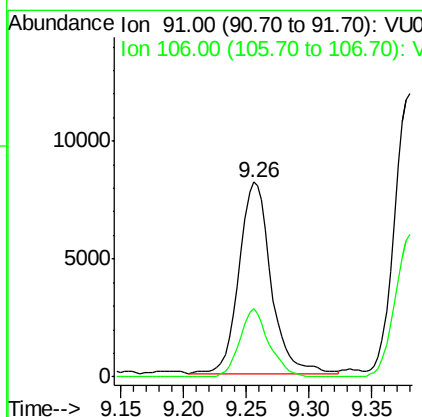
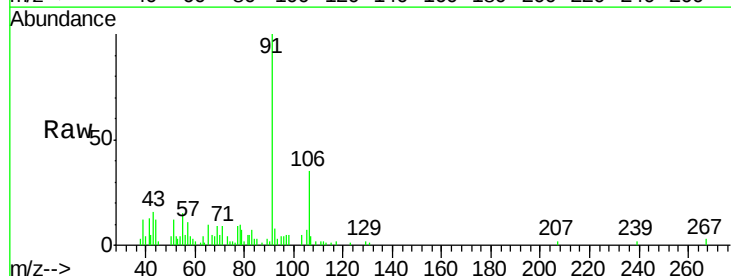
RT: 9.26 min Scan# 2695

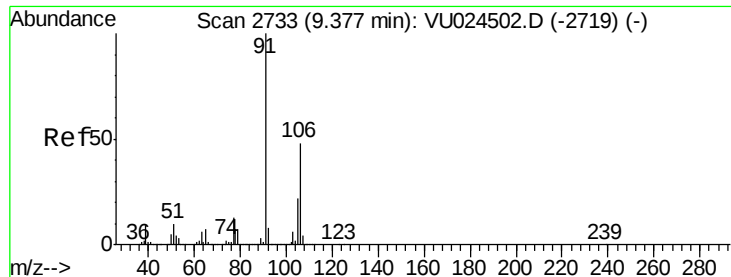
Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Tgt Ion:	91	Resp:	14453
Ion Ratio	Lower	Upper	
91	100		
106	35.5	24.2	36.4





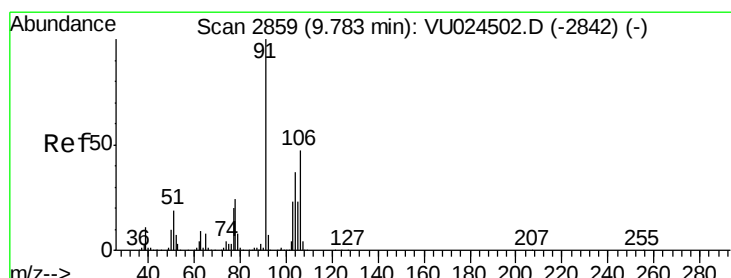
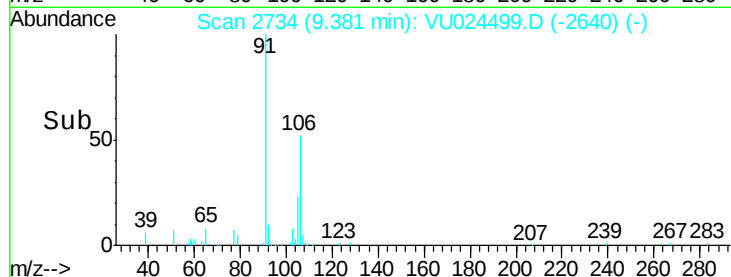
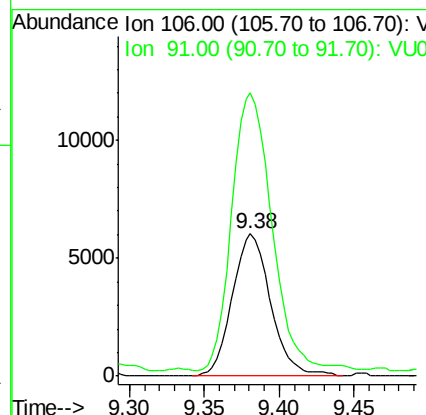
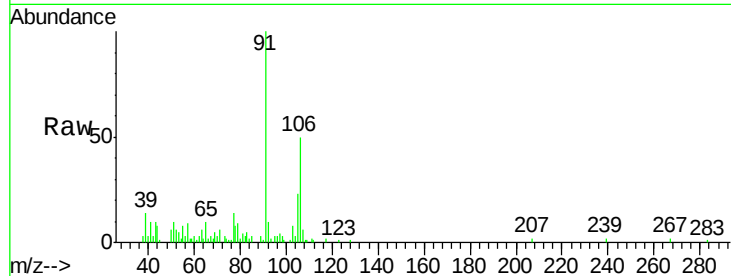
#68
m/p-Xylenes
Concen: 2.184 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

Tgt Ion:106 Resp: 10822
Ion Ratio Lower Upper
106 100
91 203.8 166.5 249.7

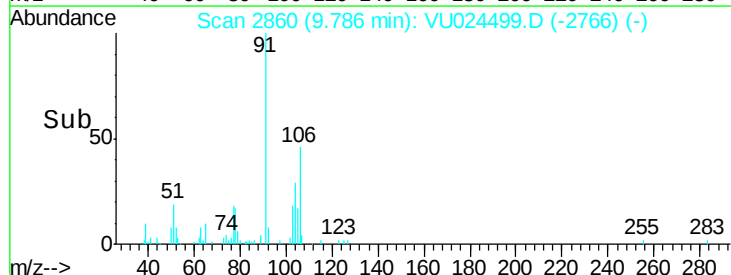
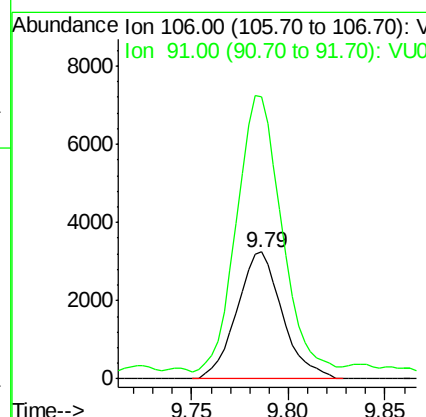
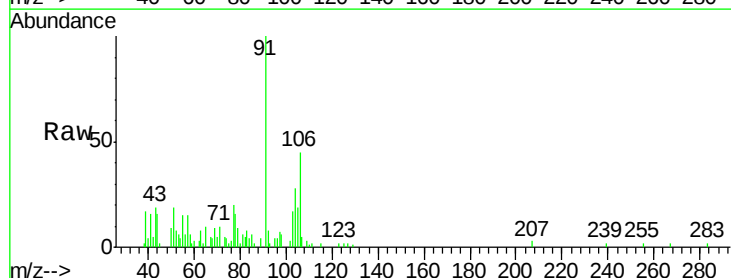
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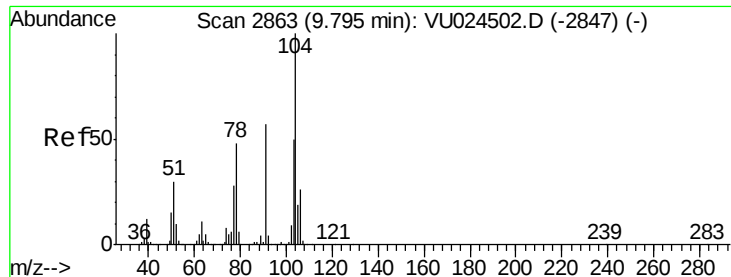
MMDadoda
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#69
o-Xylene
Concen: 1.163 ug/l
RT: 9.79 min Scan# 2860
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Tgt Ion:106 Resp: 5312
Ion Ratio Lower Upper
106 100
91 214.3 110.7 331.9





#70

Styrene

Concen: 1.096 ug/l

RT: 9.80 min Scan# 2864

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

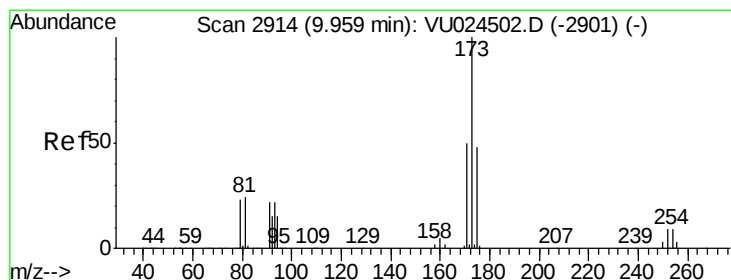
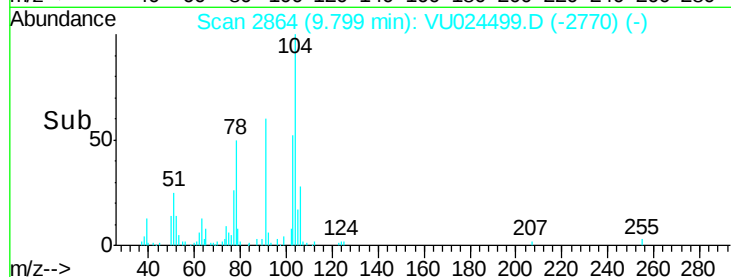
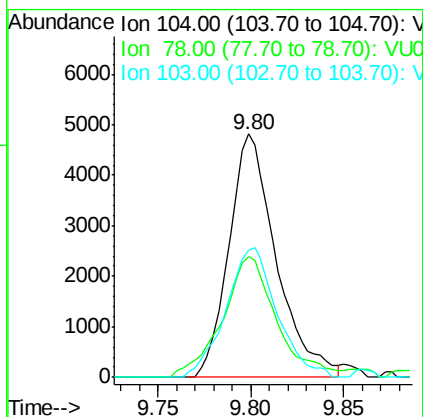
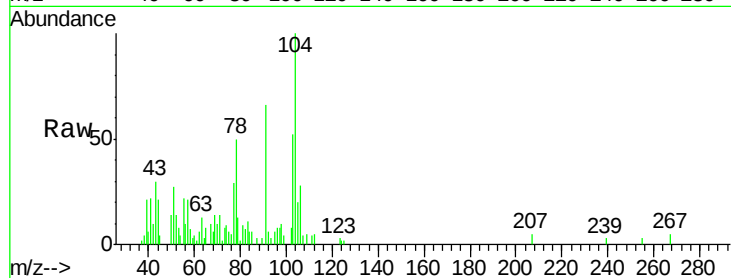
ClientSampleId :

VSTDIC001

Tgt Ion:	104	Resp:	8522
Ion Ratio	Lower	Upper	
104	100		
78	56.5	40.6	60.8
103	57.5	44.7	67.1

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#71

Bromoform

Concen: 1.186 ug/l

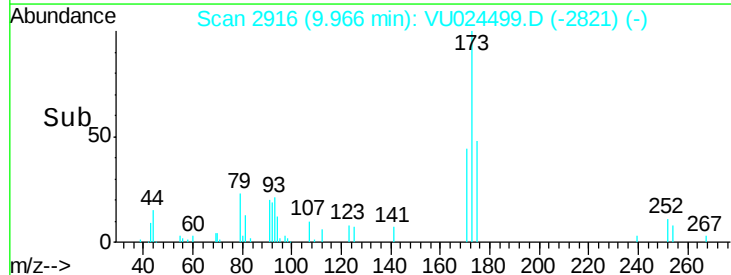
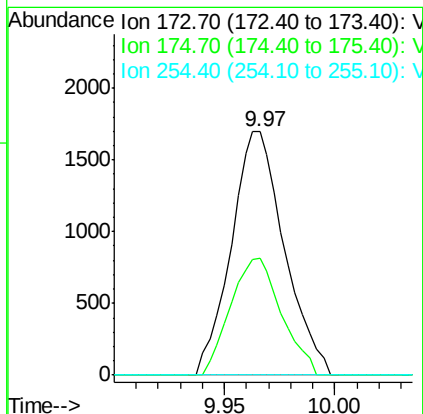
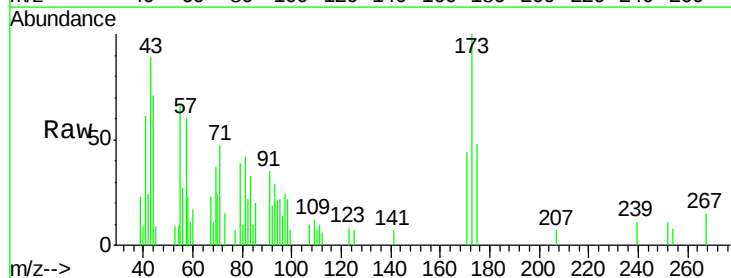
RT: 9.97 min Scan# 2916

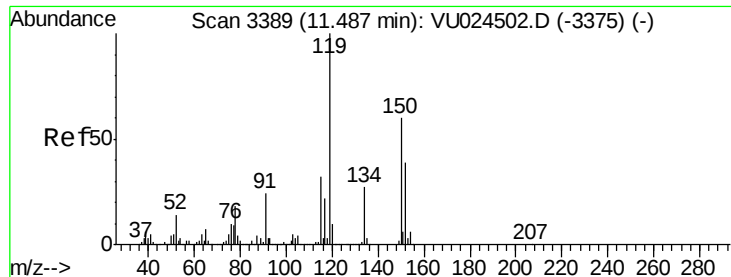
Delta R.T. 0.01 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Tgt Ion:	173	Resp:	2835
Ion Ratio	Lower	Upper	
173	100		
175	46.0	24.6	74.0
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

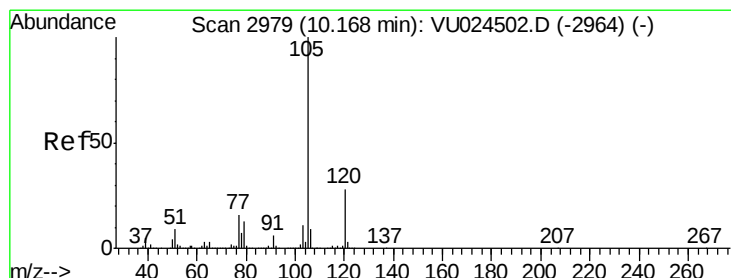
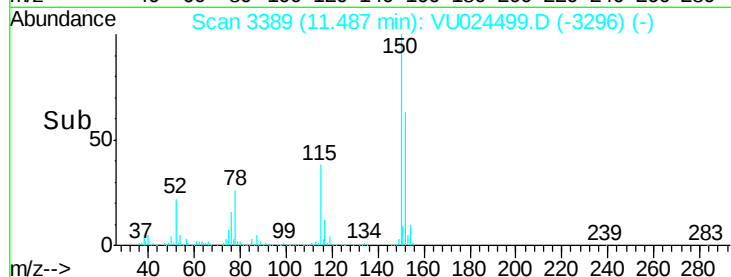
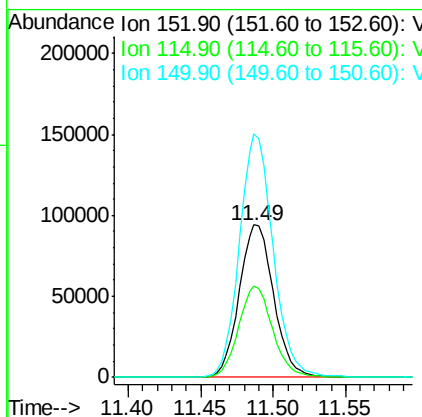
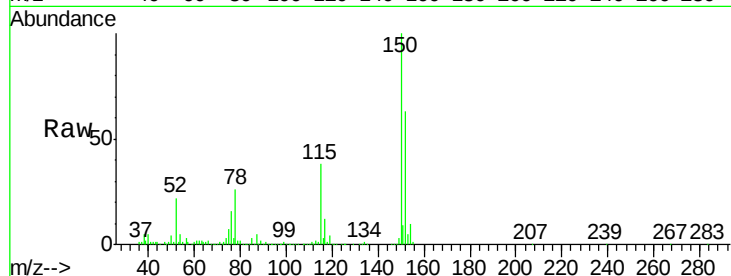
ClientSampleId :

VSTDIC001

Tgt Ion:	152	Resp:	155341
Ion Ratio	Lower	Upper	
152	100		
115	58.8	43.0	129.0
150	156.0	0.0	354.0

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#73

Isopropylbenzene

Concen: 1.319 ug/l

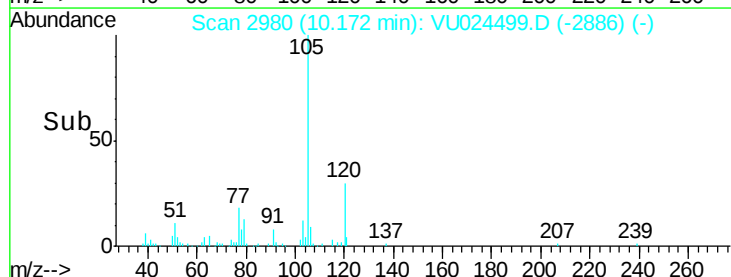
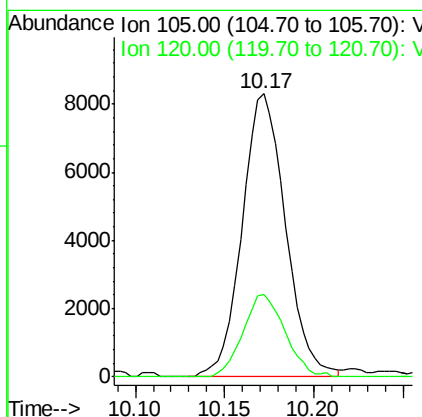
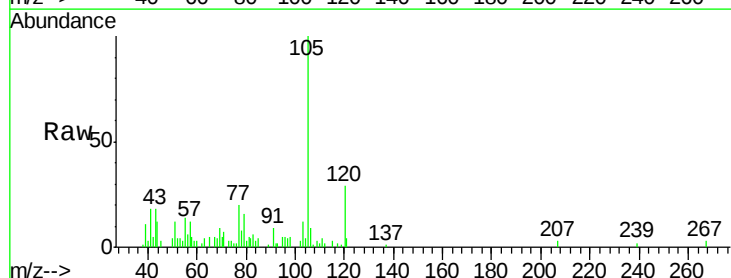
RT: 10.17 min Scan# 2980

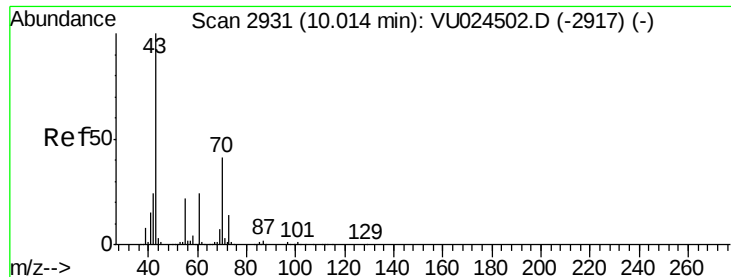
Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Tgt Ion:	105	Resp:	14125
Ion Ratio	Lower	Upper	
105	100		
120	28.1	13.2	39.6





#74

N-amyI acetate

Concen: 1.325 ug/l

RT: 10.02 min Scan# 2933

Delta R.T. 0.01 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

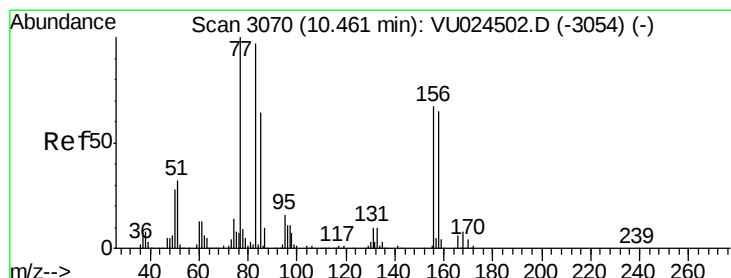
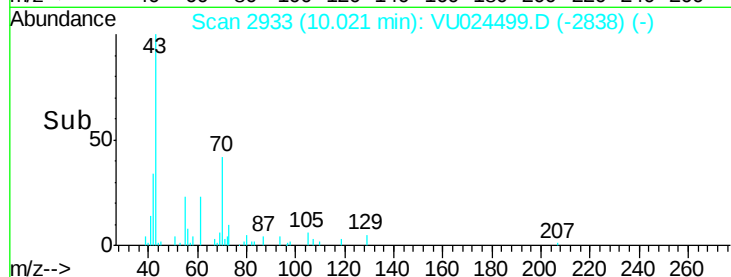
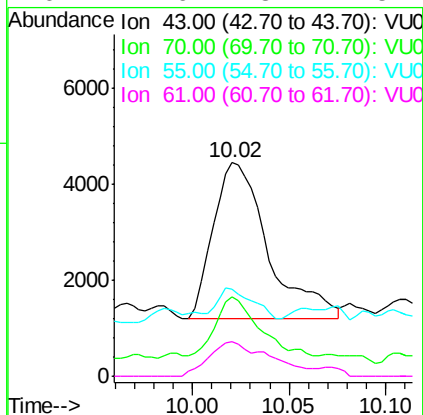
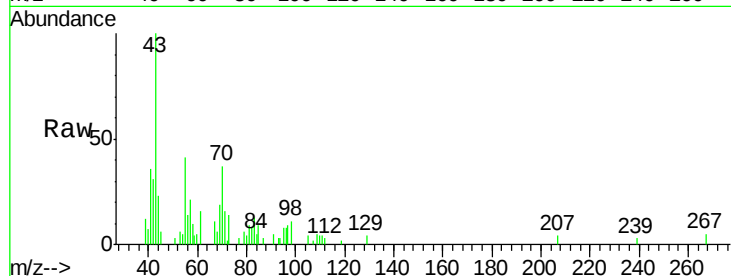
ClientSampleId :

VSTDIC001

Tgt Ion:	43	Resp:	6422
Ion	Ratio	Lower	Upper
43	100		
70	29.9	32.2	48.4#
55	14.3	20.5	30.7#
61	24.6	18.7	28.1

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.069 ug/l

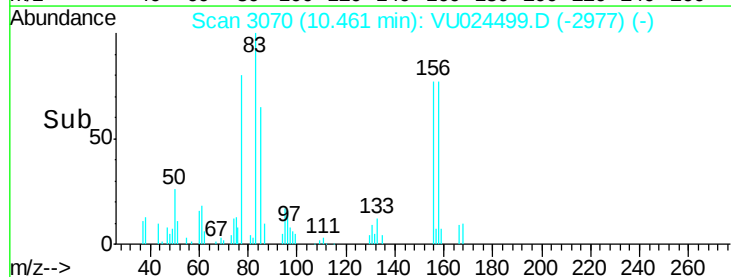
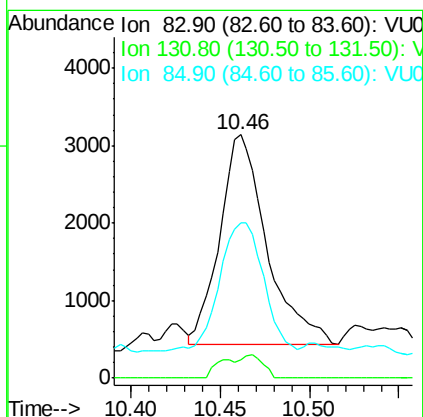
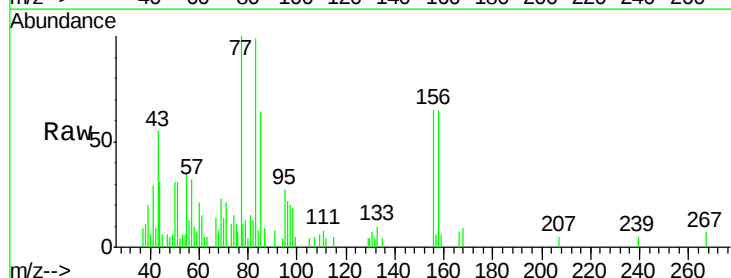
RT: 10.46 min Scan# 3070

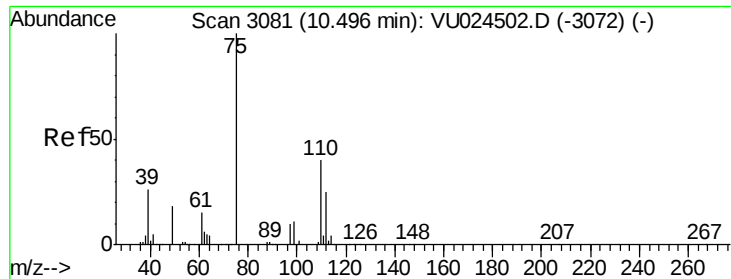
Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Tgt Ion:	83	Resp:	4967
Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.7	14.1
85	56.5	32.5	97.5





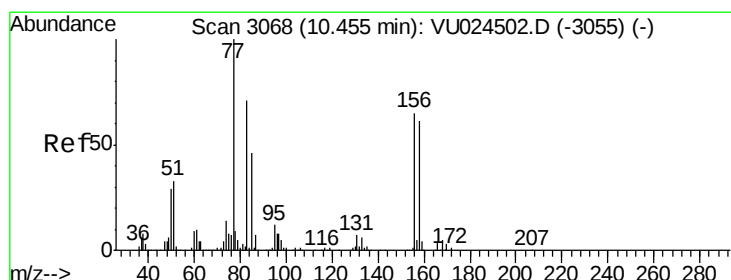
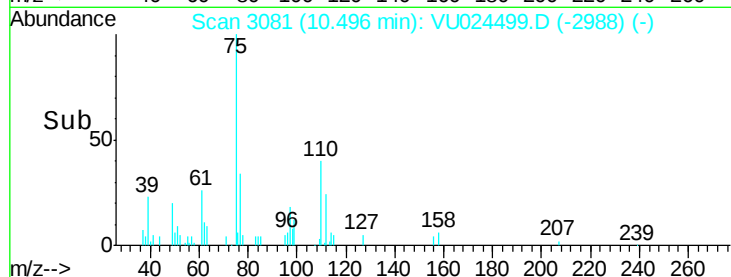
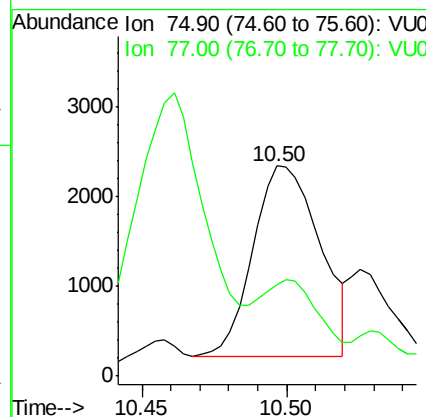
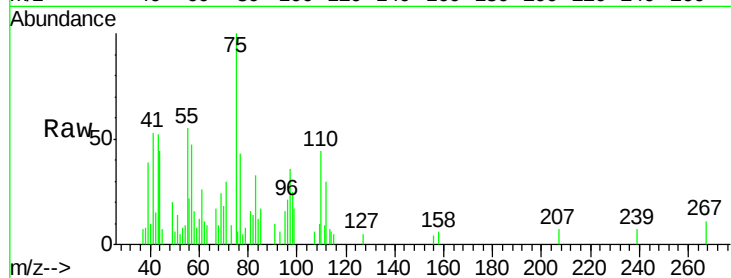
#76
1,2,3-Trichloropropane
Concen: 1.052 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 75 Resp: 3427
Ion Ratio Lower Upper
75 100
77 31.9 20.9 62.7

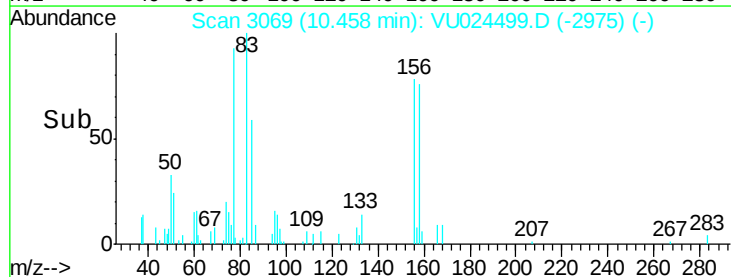
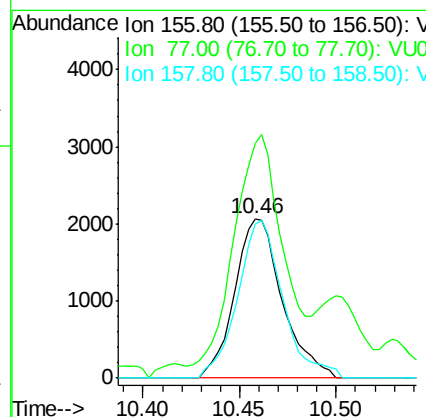
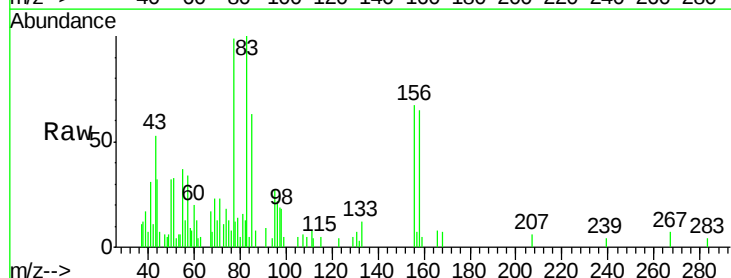
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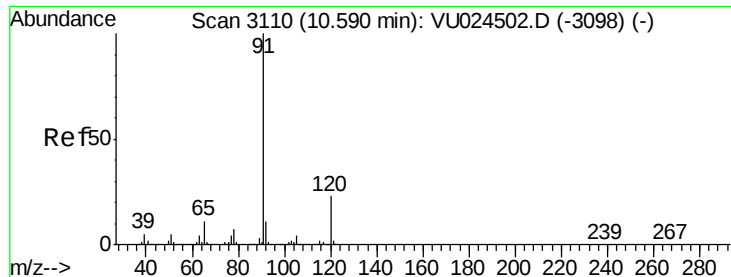
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#77
Bromobenzene
Concen: 1.190 ug/l
RT: 10.46 min Scan# 3069
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Tgt Ion: 156 Resp: 3528
Ion Ratio Lower Upper
156 100
77 151.2 80.5 241.3
158 94.3 48.2 144.6





#78

n-propylbenzene

Concen: 1.211 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 16077

Ion Ratio Lower Upper

91 100

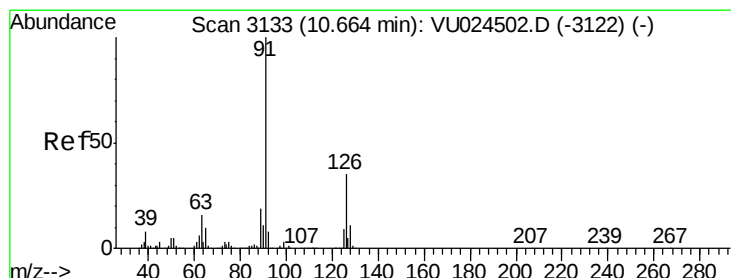
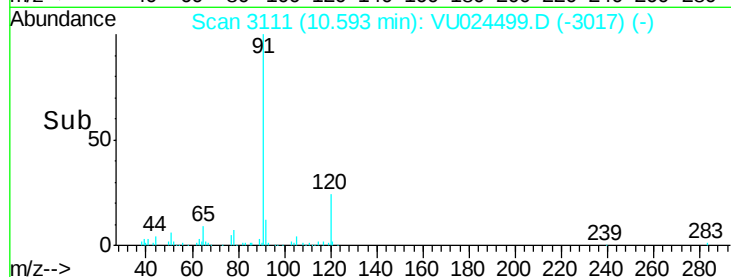
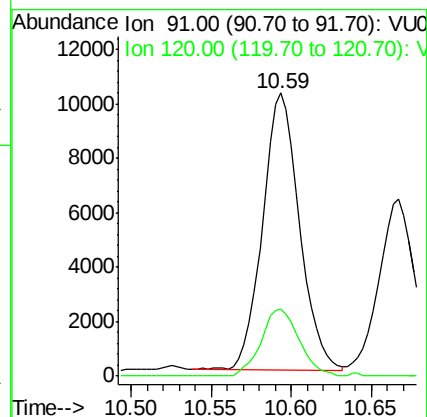
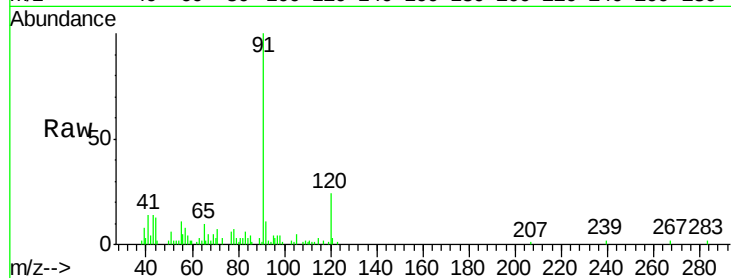
120 25.0 11.2 33.5

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#79

2-Chlorotoluene

Concen: 1.253 ug/l

RT: 10.67 min Scan# 3134

Delta R.T. 0.00 min

Lab File: VU024499.D

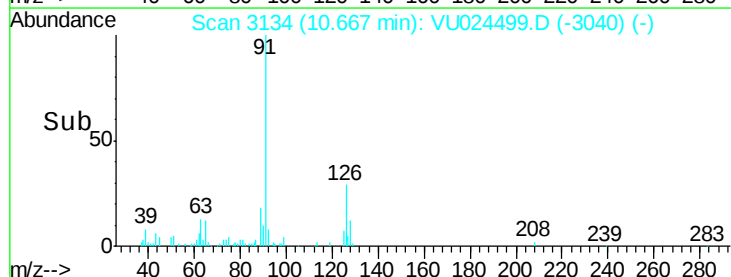
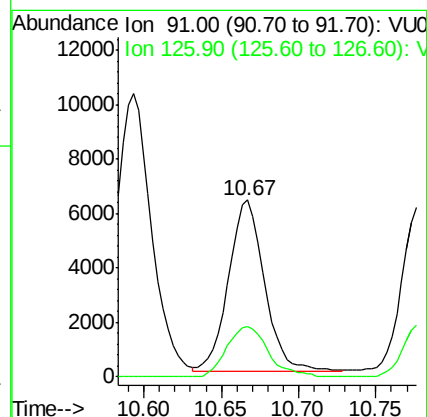
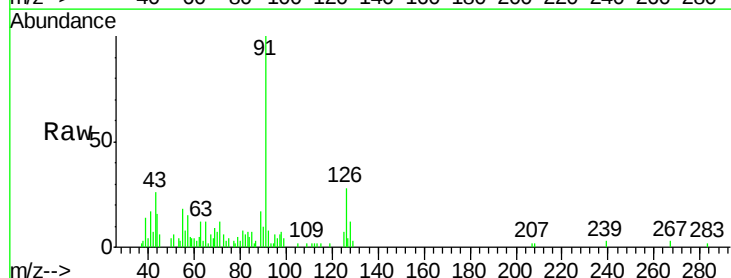
Acq: 13 Jun 2018 11:33

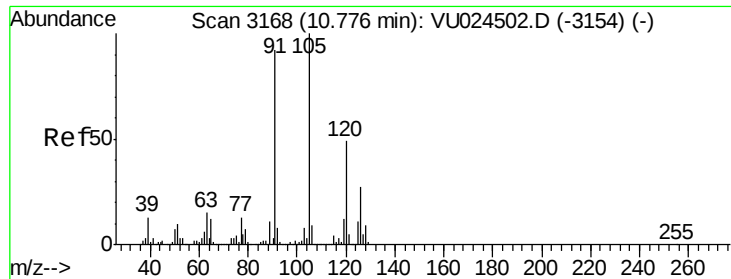
Tgt Ion: 91 Resp: 10098

Ion Ratio Lower Upper

91 100

126 34.0 16.9 50.7





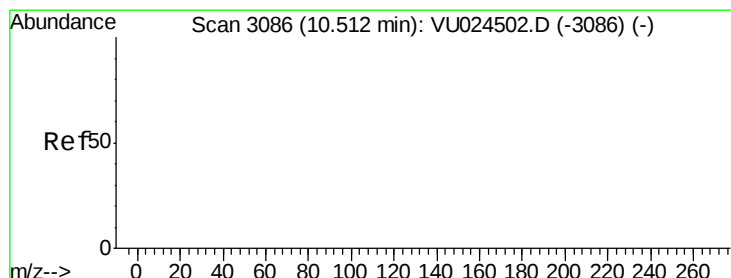
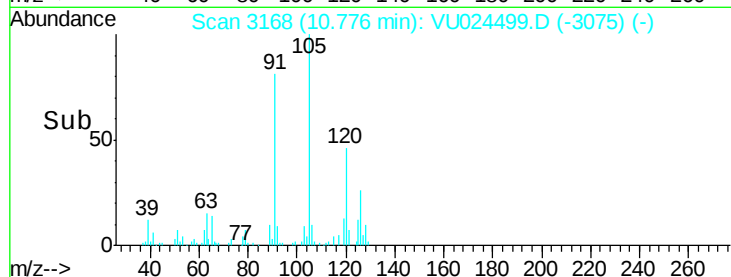
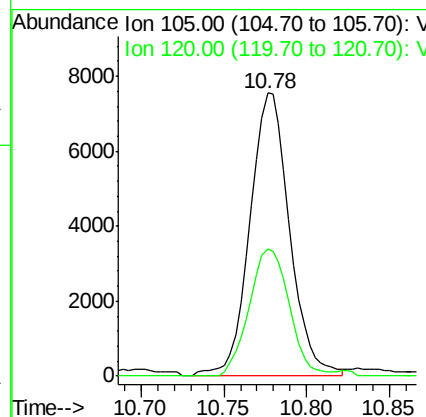
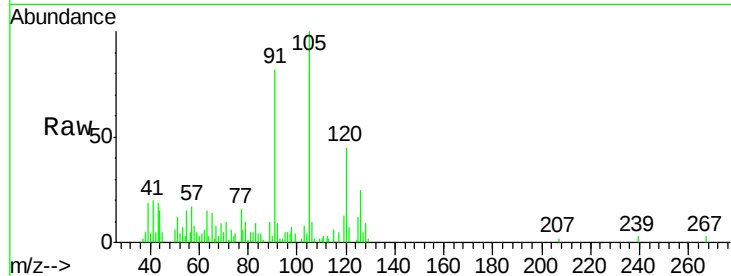
#80
 1,3,5-Trimethylbenzene
 Concen: 1.390 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion: 105 Resp: 12626
 Ion Ratio Lower Upper
 105 100
 120 45.4 24.1 72.2

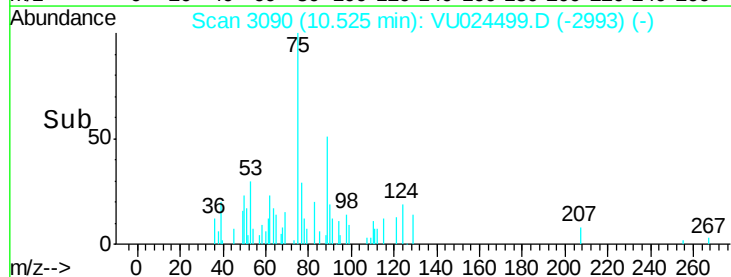
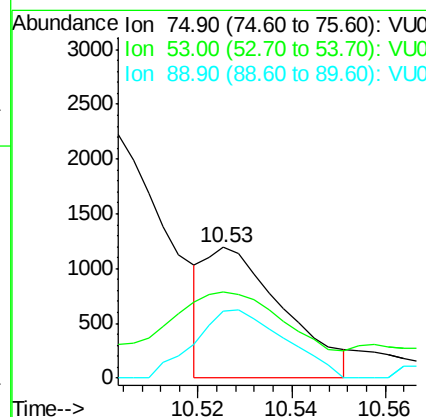
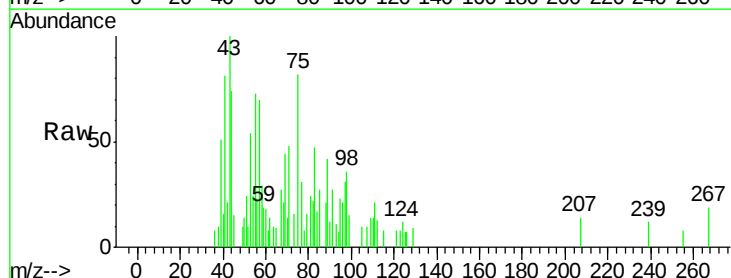
Manual Integrations
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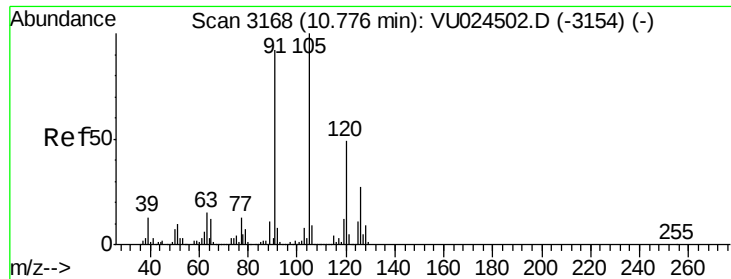
MMDadoda
 6/14/2018 9:44:16 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.905 ug/l m
 RT: 10.53 min Scan# 3090
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion: 75 Resp: 1390
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 1.206 ug/l

RT: 10.78 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 11274

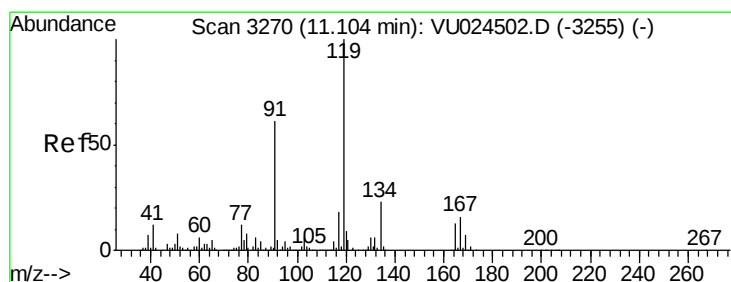
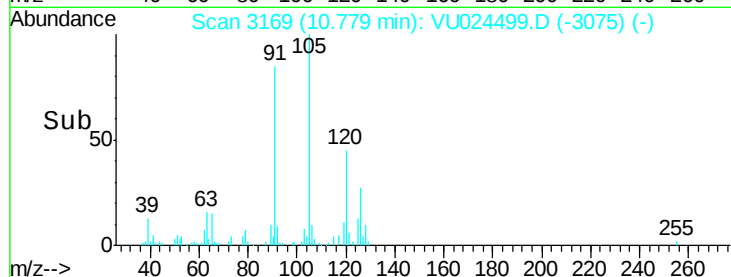
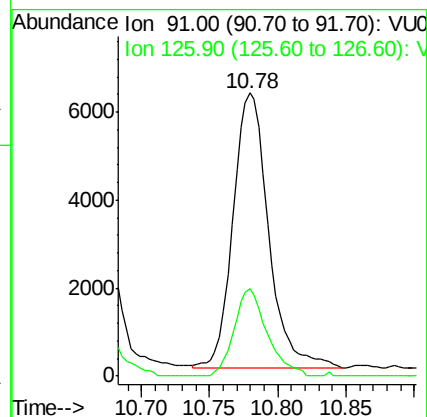
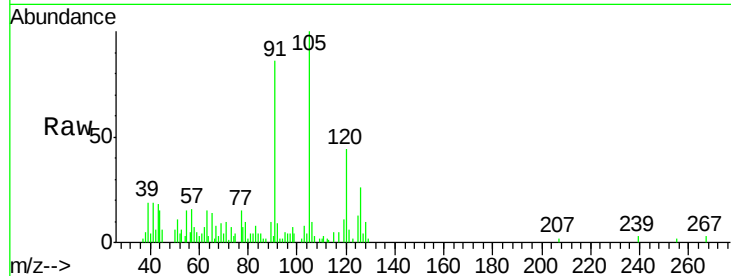
Ion Ratio Lower Upper

91 100

126 29.6 14.9 44.9

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#83

tert-Butylbenzene

Concen: 1.328 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

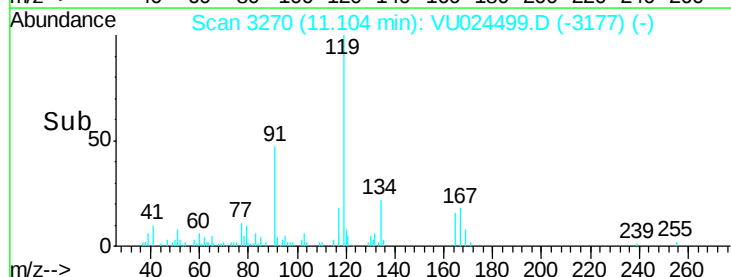
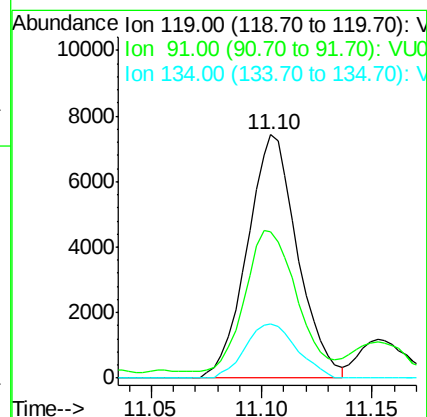
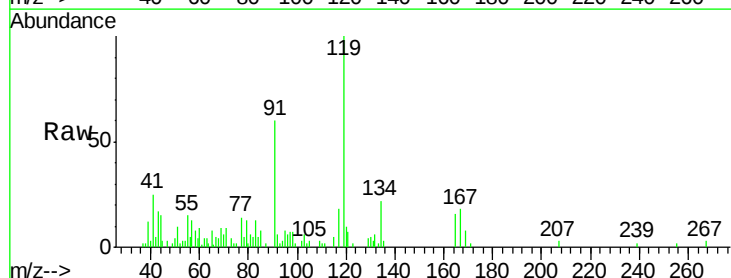
Tgt Ion: 119 Resp: 11739

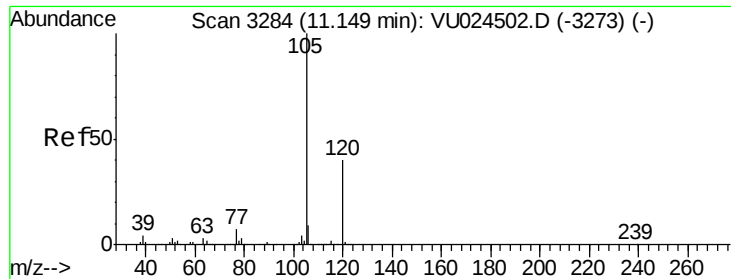
Ion Ratio Lower Upper

119 100

91 59.4 29.7 89.1

134 22.9 11.6 34.7





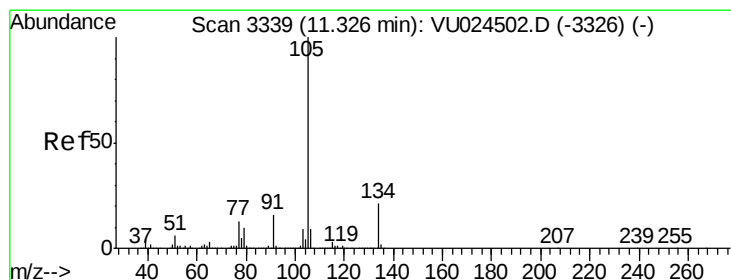
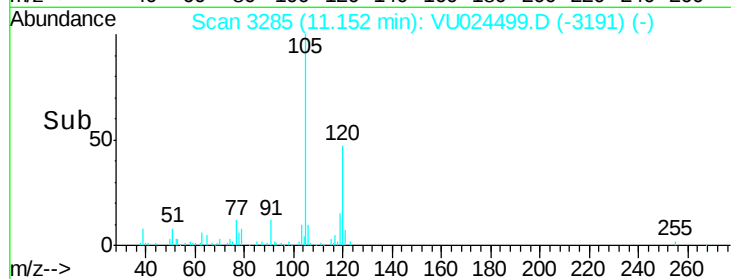
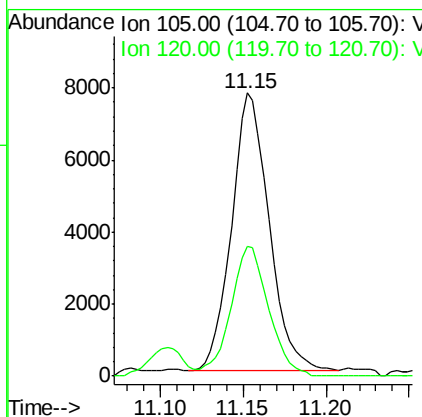
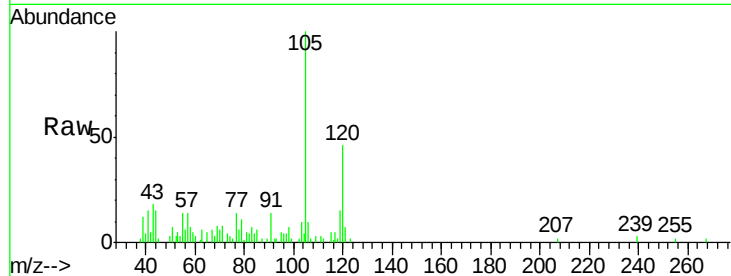
#84
 1,2,4-Trimethylbenzene
 Concen: 1.326 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion:105 Resp: 12165
 Ion Ratio Lower Upper
 105 100
 120 47.1 22.6 67.8

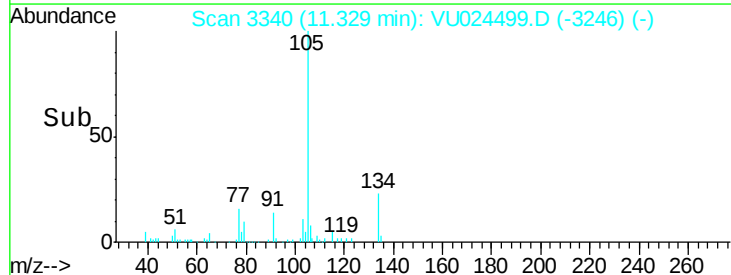
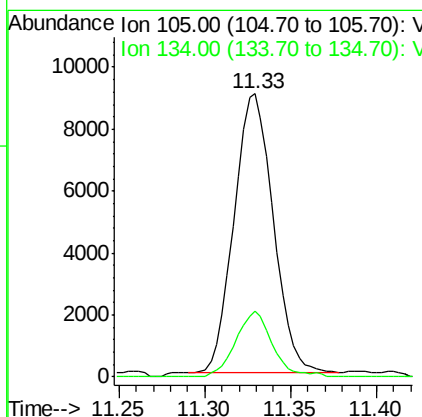
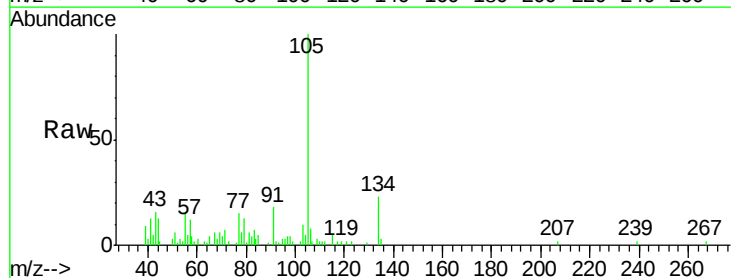
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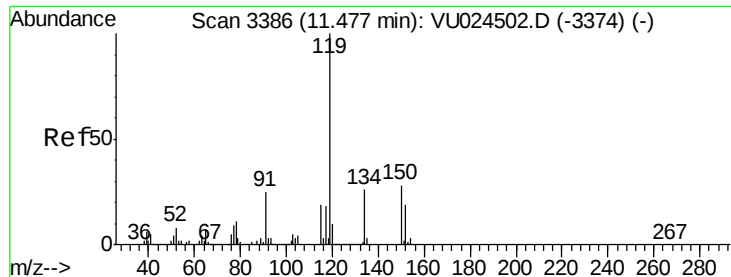
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#85
 sec-Butylbenzene
 Concen: 1.286 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion:105 Resp: 14275
 Ion Ratio Lower Upper
 105 100
 134 22.0 9.7 29.1





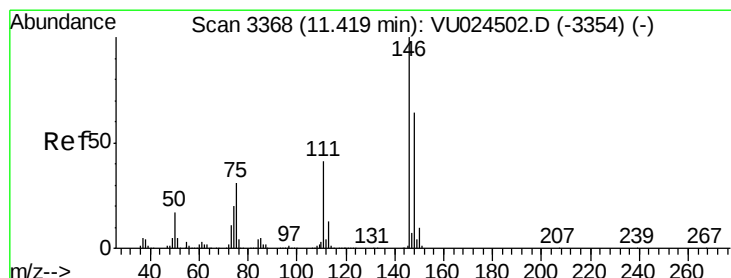
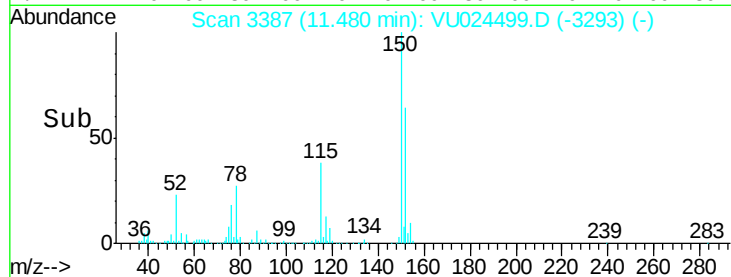
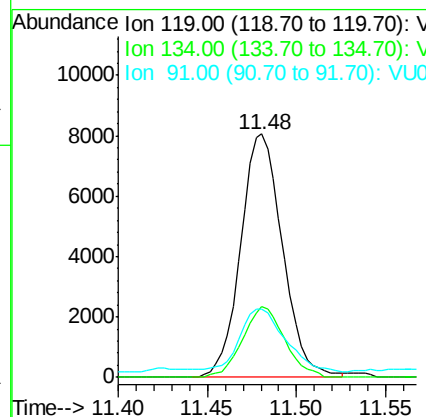
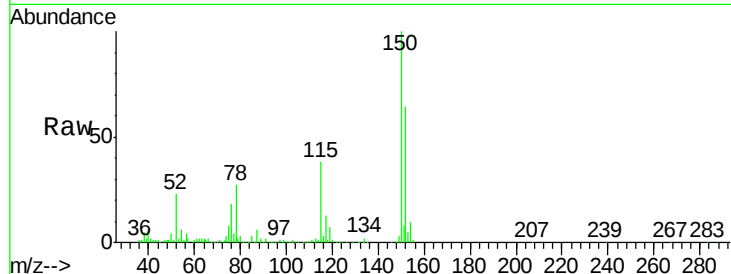
#86
 p-Isopropyltoluene
 Concen: 1.347 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
119	100		
134	29.0	12.9	38.6
91	28.4	12.0	36.1

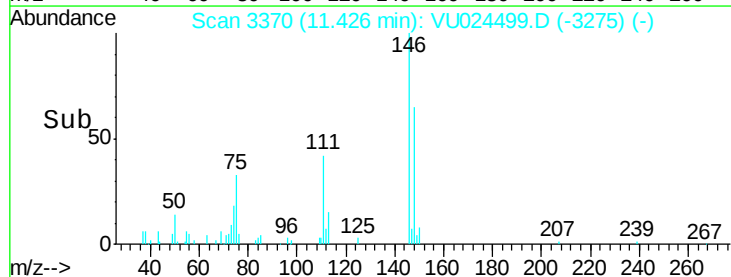
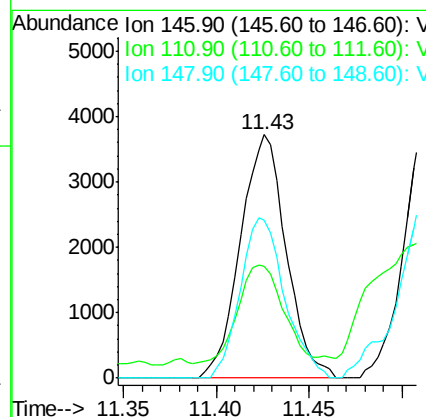
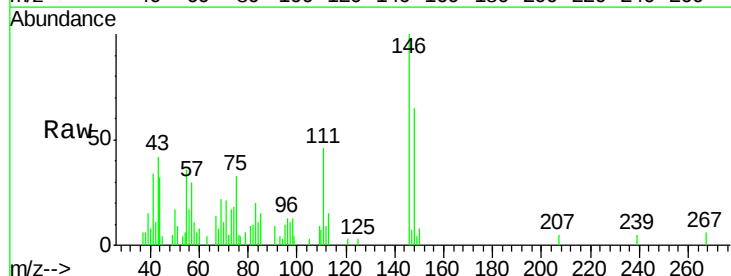
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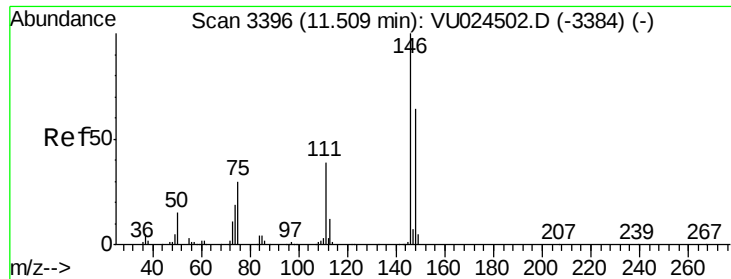
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#87
 1,3-Dichlorobenzene
 Concen: 1.117 ug/l
 RT: 11.43 min Scan# 3370
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.0	60.0
148	64.1	32.1	96.5





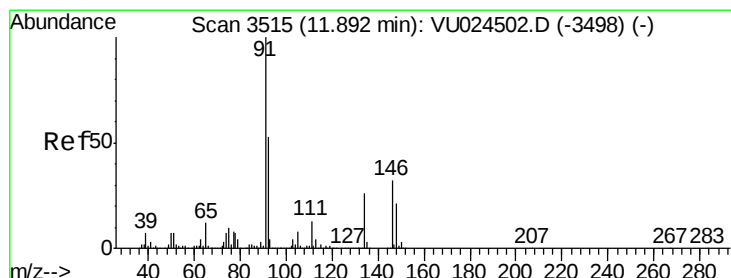
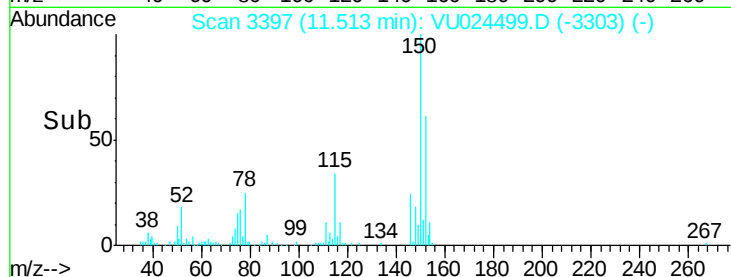
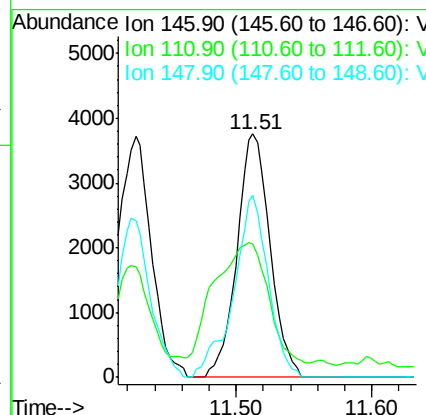
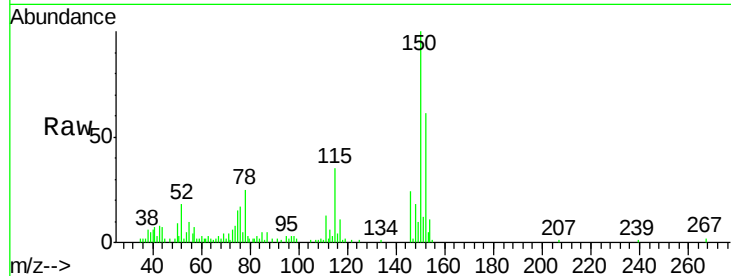
#88
 1,4-Dichlorobenzene
 Concen: 1.065 ug/l m
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	19.5	58.5
148	64.2	32.4	97.0

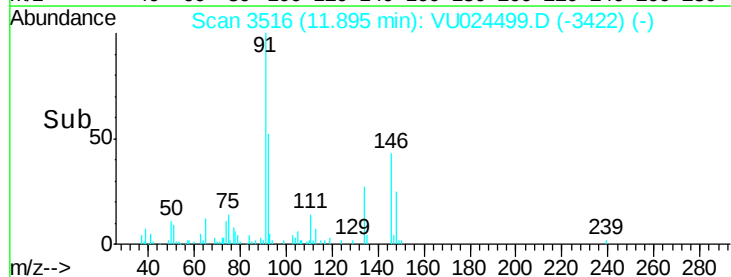
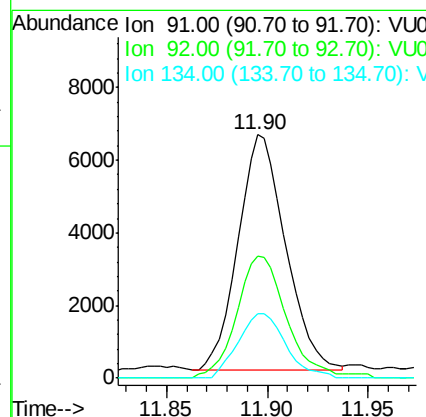
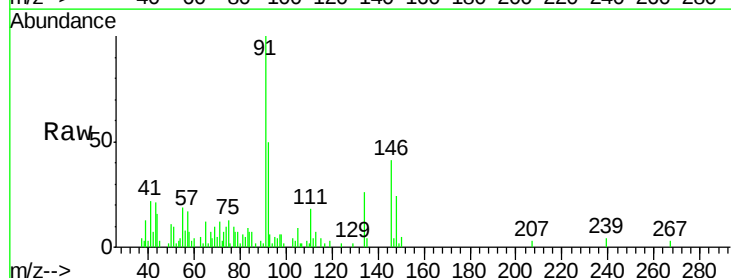
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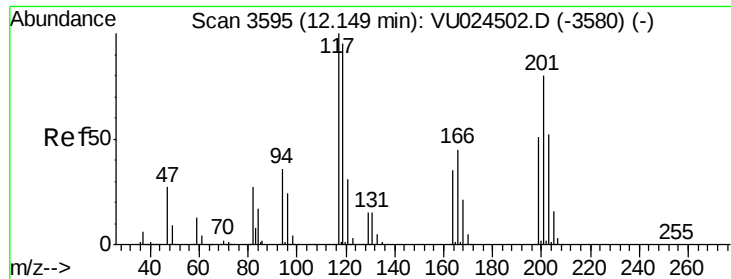
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#89
 n-Butylbenzene
 Concen: 1.108 ug/l
 RT: 11.90 min Scan# 3516
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.7	25.6	76.8
134	27.6	12.3	36.8





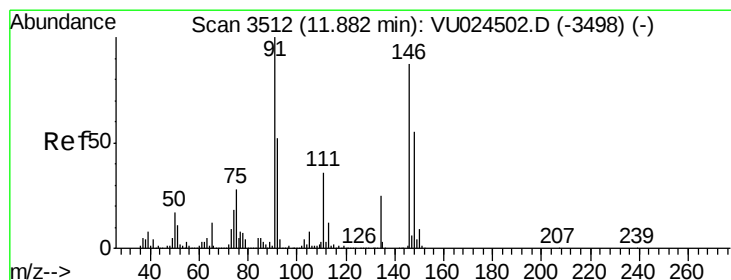
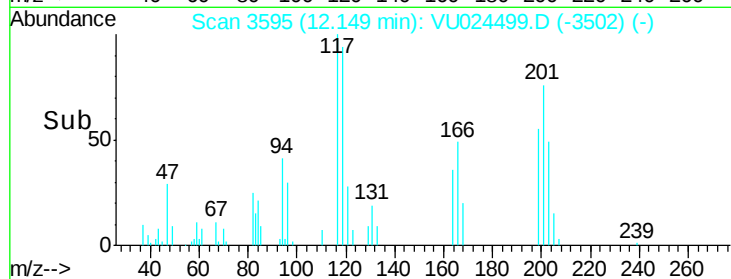
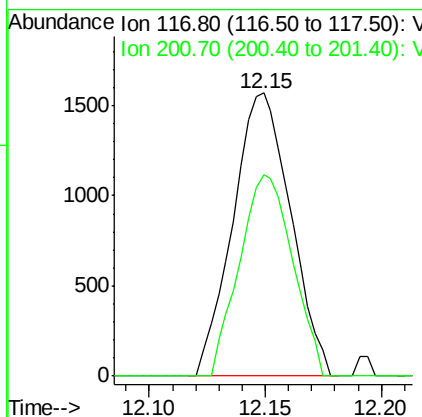
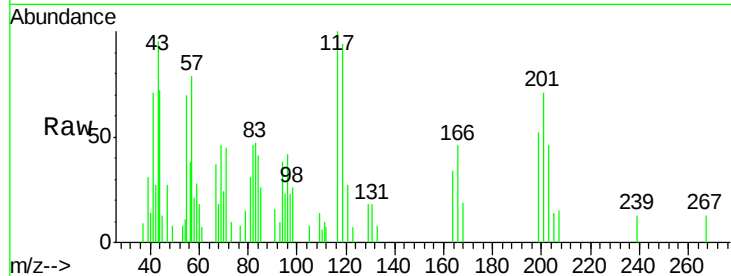
#90
Hexachloroethane
Concen: 1.547 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:117 Resp: 2720
Ion Ratio Lower Upper
117 100
201 65.3 41.1 123.3

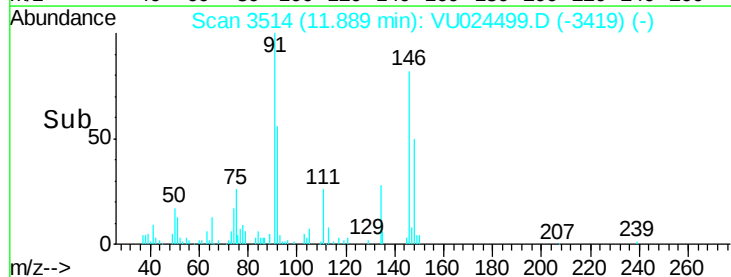
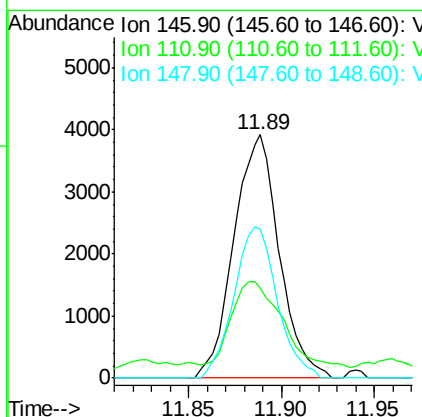
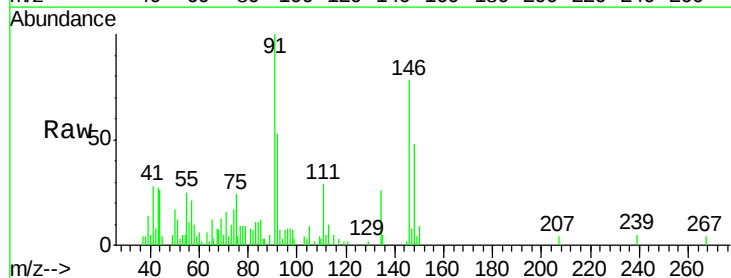
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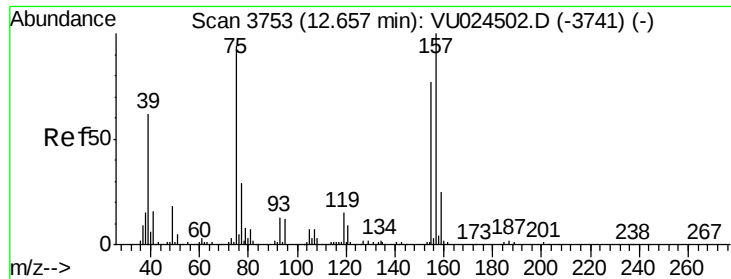
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#91
1,2-Dichlorobenzene
Concen: 1.168 ug/l
RT: 11.89 min Scan# 3514
Delta R.T. 0.01 min
Lab File: VU024499.D
Acq: 13 Jun 2018 11:33

Tgt Ion:146 Resp: 6658
Ion Ratio Lower Upper
146 100
111 41.3 20.5 61.6
148 59.4 31.9 95.7





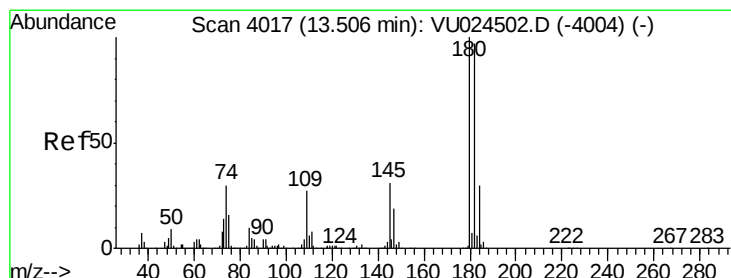
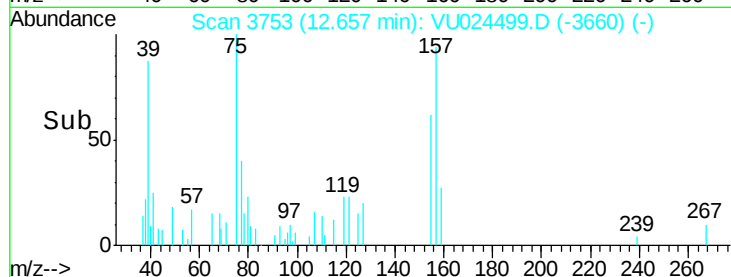
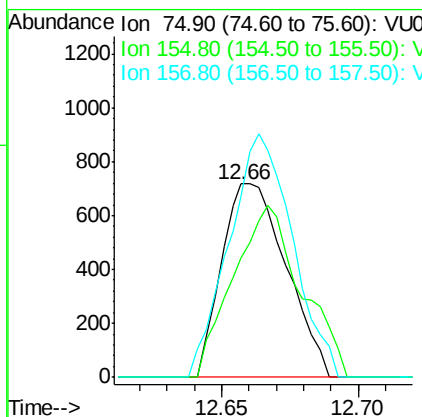
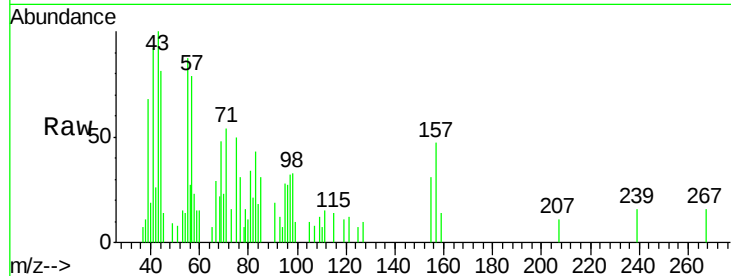
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.241 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.5	40.4	121.2
157	123.4	52.3	156.8

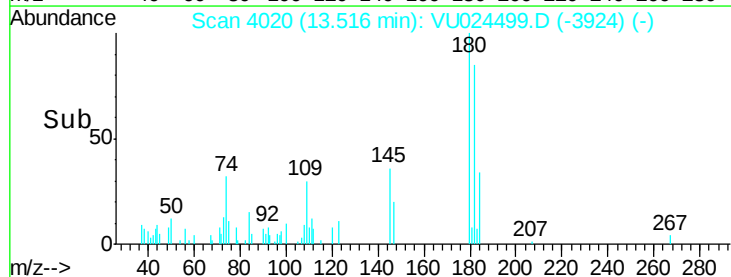
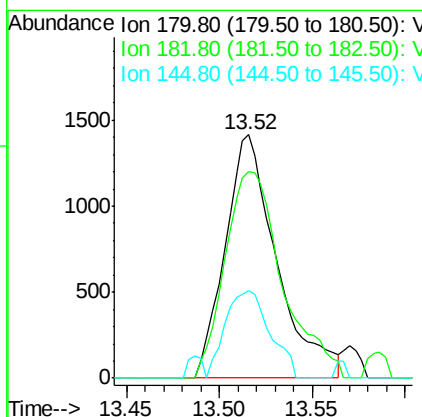
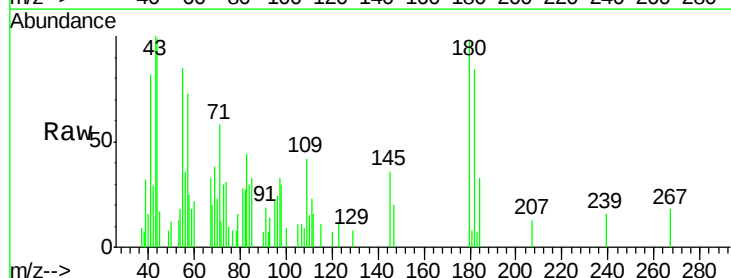
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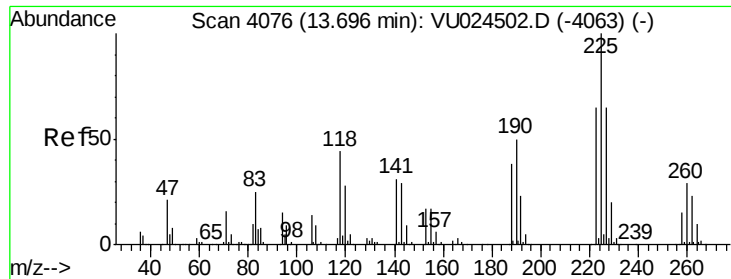
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#93
 1,2,4-Trichlorobenzene
 Concen: 0.812 ug/l
 RT: 13.52 min Scan# 4020
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.0	144.2
145	30.9	14.7	44.1





#94

Hexachlorobutadiene

Concen: 1.073 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. 0.00 min

Lab File: VU024499.D

Acq: 13 Jun 2018 11:33

Instrument :

MSVOA_U

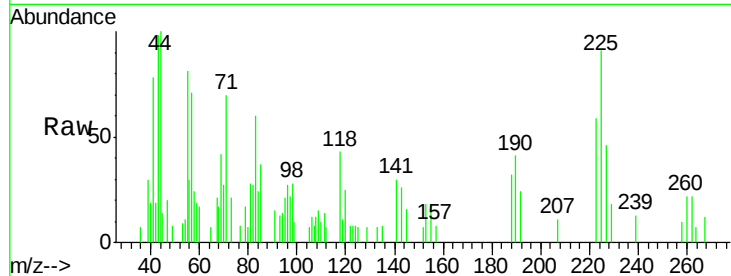
ClientSampleId :

VSTDIC001

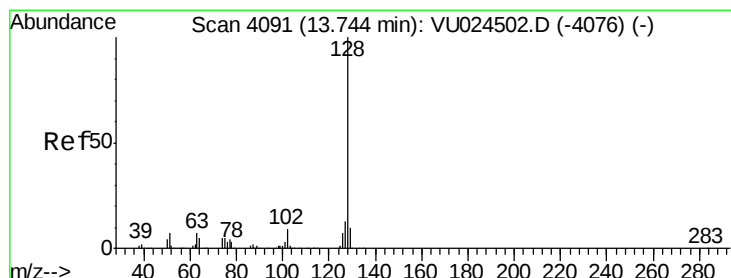
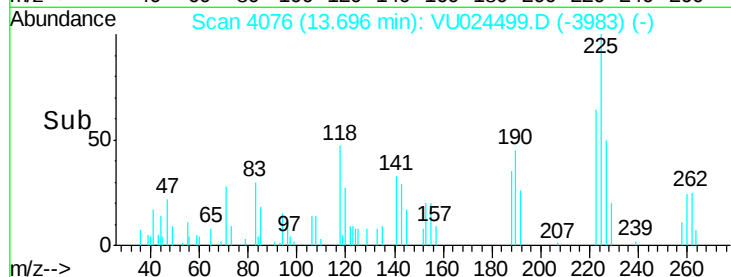
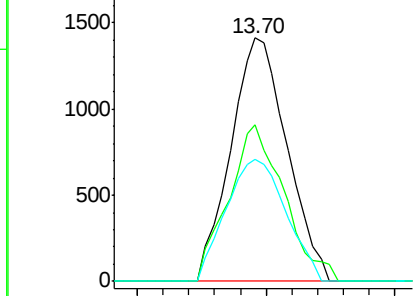
Tgt Ion:	225	Resp:	2145
Ion Ratio	Lower	Upper	
225	100		
223	63.4	31.3	93.8
227	53.4	31.8	95.4

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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.756 ug/l

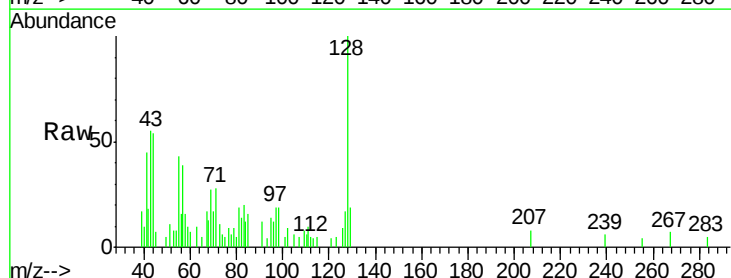
RT: 13.76 min Scan# 4095

Delta R.T. 0.01 min

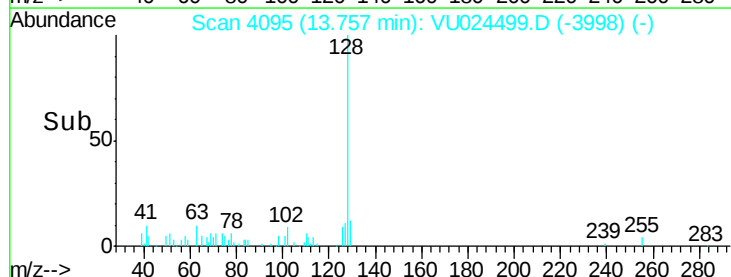
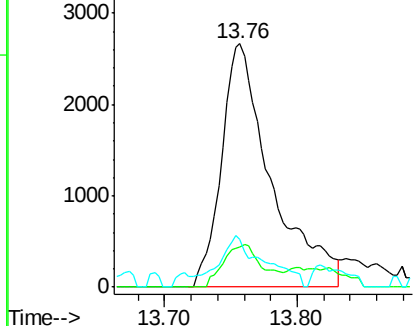
Lab File: VU024499.D

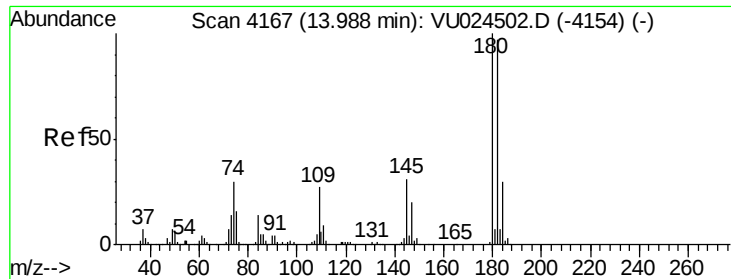
Acq: 13 Jun 2018 11:33

Tgt Ion:	128	Resp:	6956
Ion Ratio	Lower	Upper	
128	100		
127	13.9	10.6	16.0
129	19.2	8.6	12.8#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





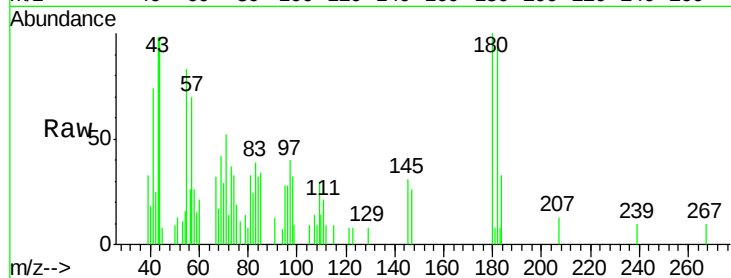
#96
 1,2,3-Trichlorobenzene
 Concen: 0.792 ug/l
 RT: 14.00 min Scan# 4170
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.7	47.9	143.7
145	23.9	15.4	46.1

Manual Integrations
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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

