

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011019\
 Data File : VU029119.D
 Acq On : 10 Jan 2019 15:28
 Operator : MD/SY
 Sample : VU0110MBSD01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 10:03:47 AM

Quant Time: Jan 11 03:47:50 2019
 Quant Method : Z:\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	141341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	236298	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	215531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	103155	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	90749	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
35) Dibromofluoromethane	4.88	113	77183	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
50) Toluene-d8	7.56	98	303998	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
62) 4-Bromofluorobenzene	10.30	95	103987	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	25918	18.490	ug/l	98
3) Chloromethane	1.33	50	42261	18.449	ug/l	99
4) Vinyl Chloride	1.40	62	40384	19.550	ug/l	100
5) Bromomethane	1.62	94	23699	20.525	ug/l	98
6) Chloroethane	1.69	64	24620	20.010	ug/l	100
7) Trichlorofluoromethane	1.88	101	45680	20.295	ug/l	98
8) Diethyl Ether	2.10	74	22591	20.891	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	29595	19.651	ug/l	98
10) Methyl Iodide	2.41	142	31003	21.894	ug/l	99
11) Tert butyl alcohol	2.83	59	49712	111.932	ug/l	99
12) 1,1-Dichloroethene	2.28	96	29505	20.127	ug/l	97
13) Acrolein	2.19	56	29408	88.182	ug/l	99
14) Allyl chloride	2.59	41	48313	17.962	ug/l	91
15) Acrylonitrile	2.93	53	116677	107.083	ug/l	99
16) Acetone	2.32	43	92595	84.124	ug/l	98
17) Carbon Disulfide	2.48	76	88404	17.853	ug/l	100
18) Methyl Acetate	2.62	43	56449	22.056	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	106160	20.599	ug/l	99
20) Methylene Chloride	2.70	84	36675	19.625	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	32189	18.900	ug/l	96
22) Diisopropyl ether	3.57	45	108346	20.382	ug/l	99
23) Vinyl Acetate	3.52	43	437139	100.591	ug/l	100
24) 1,1-Dichloroethane	3.44	63	63356	20.646	ug/l	99
25) 2-Butanone	4.26	43	150356	101.137	ug/l	99
26) 2,2-Dichloropropane	4.22	77	45965	18.537	ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	37712	20.245	ug/l	98
28) Bromochloromethane	4.55	49	28311	21.546	ug/l	96
29) Tetrahydrofuran	4.64	42	97452	108.078	ug/l	99
30) Chloroform	4.67	83	60214	20.601	ug/l	95
31) Cyclohexane	4.99	56	58214	19.409	ug/l	94
32) 1,1,1-Trichloroethane	4.91	97	49432	20.468	ug/l	99
36) 1,1-Dichloropropene	5.13	75	45825	19.402	ug/l	97
37) Ethyl Acetate	4.38	43	53097	20.480	ug/l	99
38) Carbon Tetrachloride	5.13	117	38668	19.629	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	55143	18.991	ug/l	99
40) Benzene	5.39	78	143820	19.521	ug/l	99
41) Methacrylonitrile	4.54	41	28750	20.717	ug/l	98
42) 1,2-Dichloroethane	5.40	62	45967	20.763	ug/l	100
43) Isopropyl Acetate	5.55	43	82742	20.805	ug/l	99
44) Trichloroethene	6.19	130	34167	18.717	ug/l	97
45) 1,2-Dichloropropane	6.43	63	38825	19.955	ug/l	100
46) Dibromomethane	6.56	93	24796	19.937	ug/l	99
47) Bromodichloromethane	6.76	83	45204	19.740	ug/l	99
48) Methyl methacrylate	6.62	41	40399	20.862	ug/l	99
49) 1,4-Dioxane	6.61	88	20059	437.091	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	281713	104.085	ug/l	100
52) Toluene	7.63	92	87182	19.438	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	51991	18.900	ug/l	95
54) cis-1,3-Dichloropropene	7.27	75	58121	19.553	ug/l	97
55) 1,1,2-Trichloroethane	8.06	97	36391	20.253	ug/l	99
56) Ethyl methacrylate	8.02	69	55431	20.025	ug/l	99
57) 1,3-Dichloropropane	8.24	76	61825	20.109	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	120469	98.957	ug/l	100
59) 2-Hexanone	8.36	43	216516	101.911	ug/l	100
60) Dibromochloromethane	8.48	129	34305	19.271	ug/l	99
61) 1,2-Dibromoethane	8.58	107	38748	19.884	ug/l	100
64) Tetrachloroethene	8.22	164	30485	19.635	ug/l	96
65) Chlorobenzene	9.12	112	95211	19.708	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	32141	20.500	ug/l	98
67) Ethyl Benzene	9.25	91	161203	19.986	ug/l	98
68) m/p-Xylenes	9.37	106	125594	40.074	ug/l	100
69) o-Xylene	9.78	106	62061	20.552	ug/l	98
70) Styrene	9.79	104	97473	19.690	ug/l	100
71) Bromoform	9.96	173	26637	19.081	ug/l #	99
73) Isopropylbenzene	10.16	105	157657	20.649	ug/l	100
74) N-amyl acetate	10.01	43	67434	20.496	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	61907	20.230	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	54070m	21.393	ug/l	
77) Bromobenzene	10.45	156	40294	20.251	ug/l	98
78) n-propylbenzene	10.58	91	185318	20.595	ug/l	100
79) 2-Chlorotoluene	10.66	91	111261	20.384	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	131896	20.686	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	18179m	18.550	ug/l	
82) 4-Chlorotoluene	10.77	91	125544	20.059	ug/l	98
83) tert-Butylbenzene	11.10	119	128063	20.378	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	133038	20.899	ug/l	100
85) sec-Butylbenzene	11.32	105	159854	21.032	ug/l	99
86) p-Isopropyltoluene	11.48	119	132207	20.414	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	71416	19.568	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	72211	19.168	ug/l	98
89) n-Butylbenzene	11.89	91	119037	20.593	ug/l	98
90) Hexachloroethane	12.14	117	20470	18.788	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	70757	19.248	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	12378	21.031	ug/l	98

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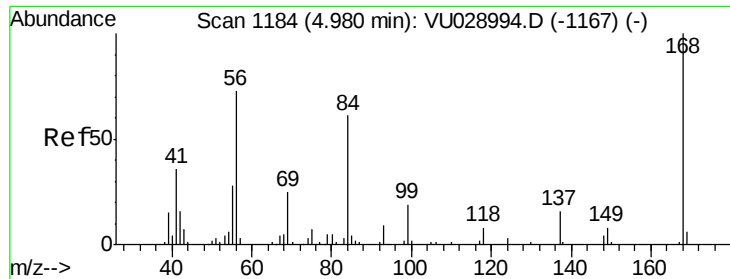
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	44563	18.991	ug/l	99
94) Hexachlorobutadiene	13.69	225	22297	20.774	ug/l	99
95) Naphthalene	13.74	128	149680	18.751	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	46785	19.842	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBSD01

Tgt Ion:168 Resp: 141341

Ion Ratio Lower Upper

168 100

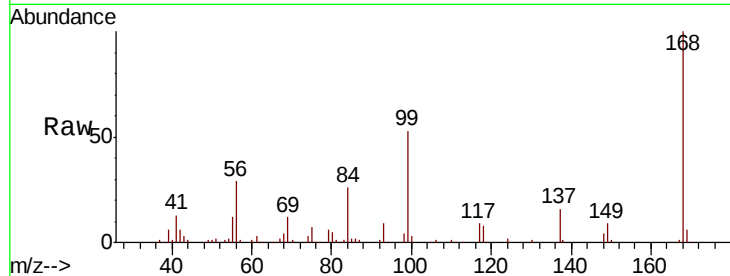
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Manual Integrations

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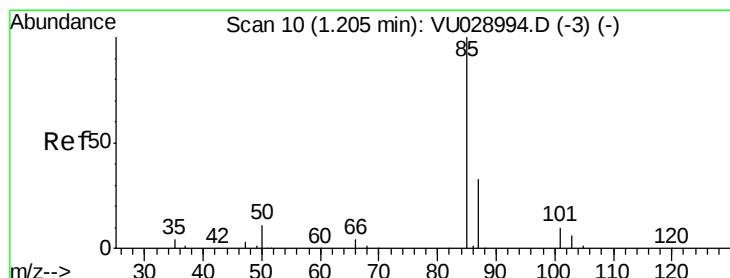
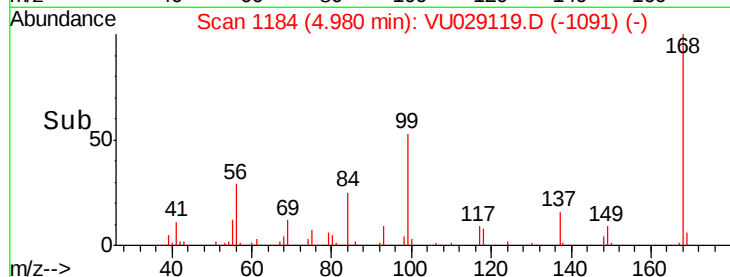
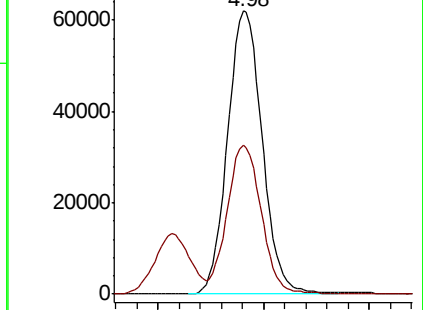
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Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)



#2

Dichlorodifluoromethane

Concen: 18.490 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029119.D

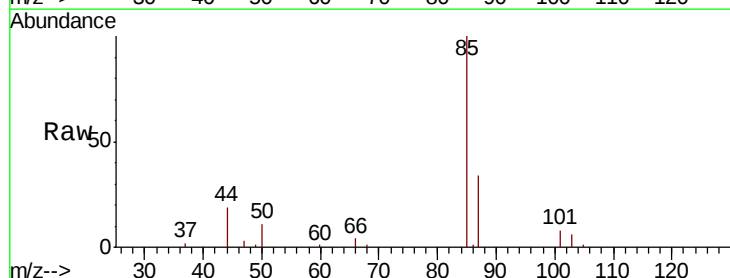
Acq: 10 Jan 2019 15:28

Tgt Ion: 85 Resp: 25918

Ion Ratio Lower Upper

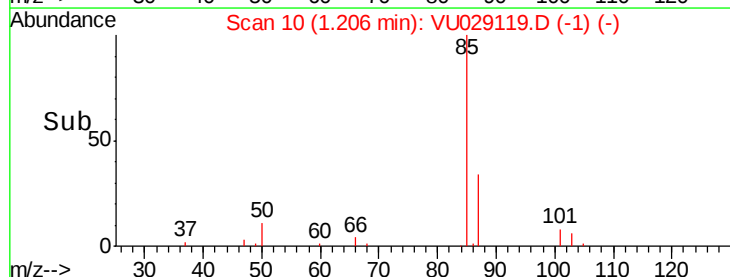
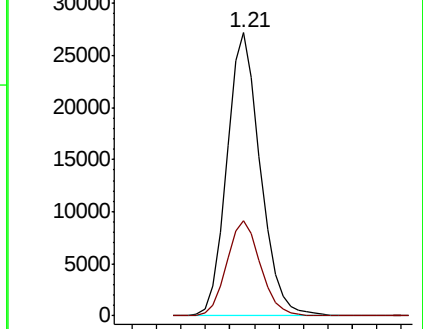
85 100

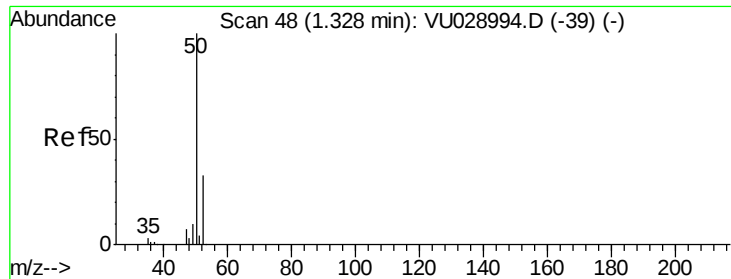
87 33.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028994.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028994.D (-3) (-)





#3

Chloromethane

Concen: 18.449 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBSD01

Tgt Ion: 50 Resp: 42261

Ion Ratio Lower Upper

50 100

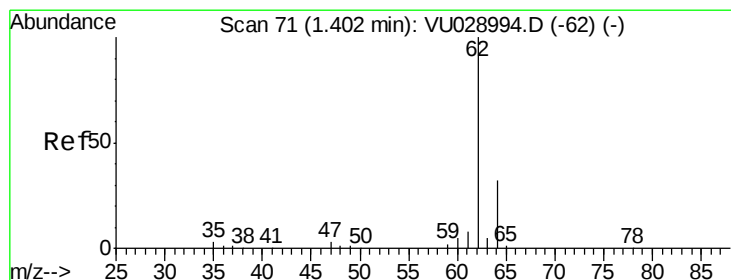
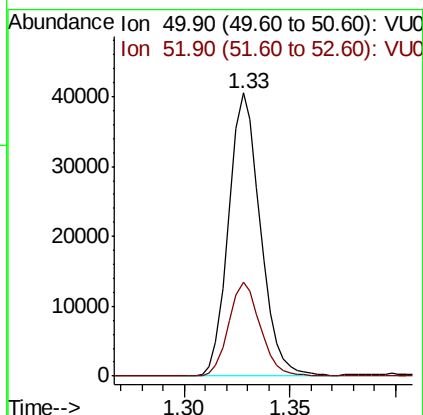
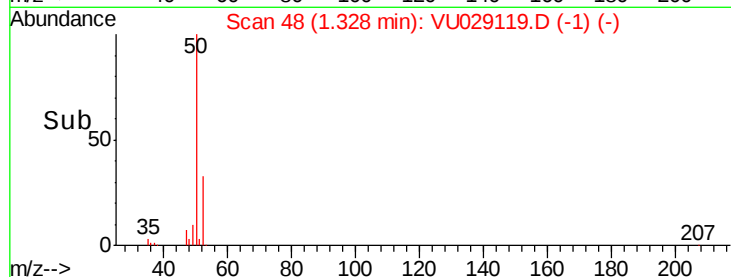
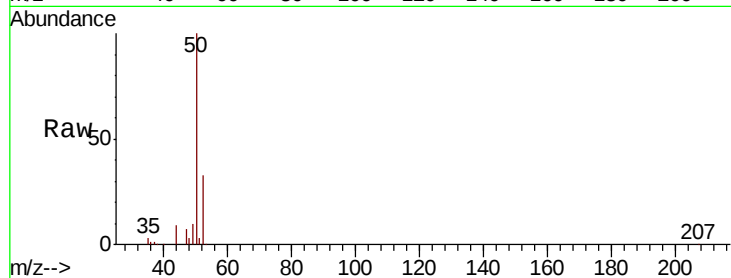
52 33.0 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.550 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029119.D

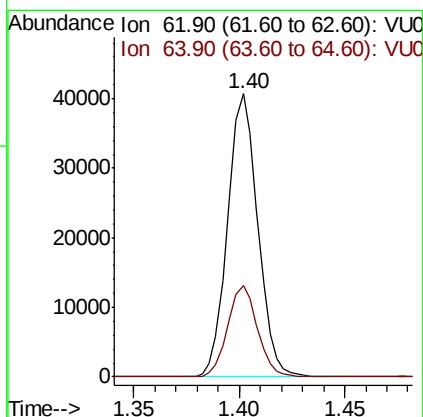
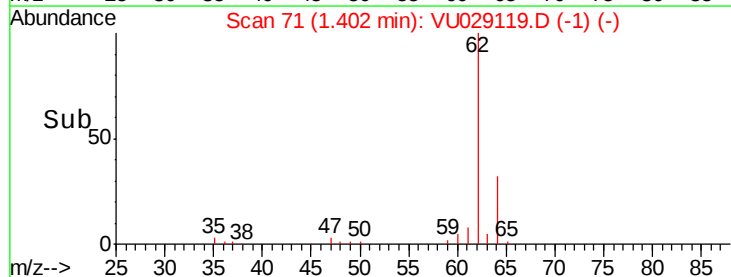
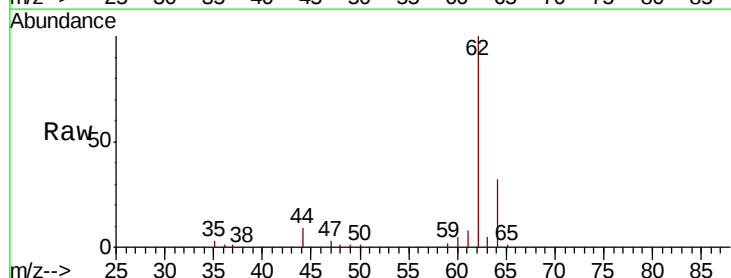
Acq: 10 Jan 2019 15:28

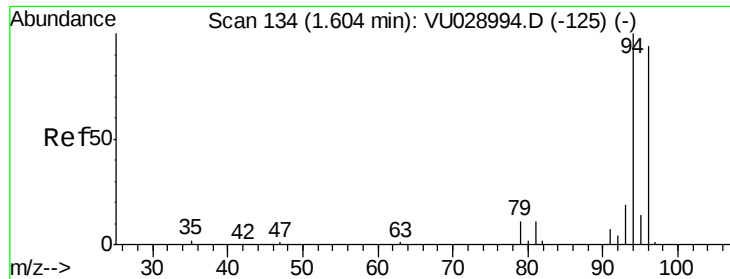
Tgt Ion: 62 Resp: 40384

Ion Ratio Lower Upper

62 100

64 32.3 25.9 38.9





#5

Bromomethane

Concen: 20.525 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.02 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBSD01

Tgt Ion: 94 Resp: 23699

Ion Ratio Lower Upper

94 100

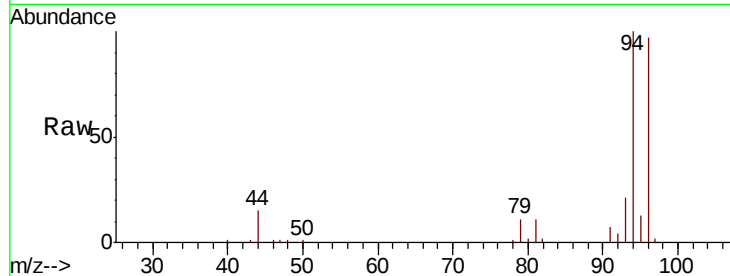
96 96.8 75.5 113.3

Manual Integrations

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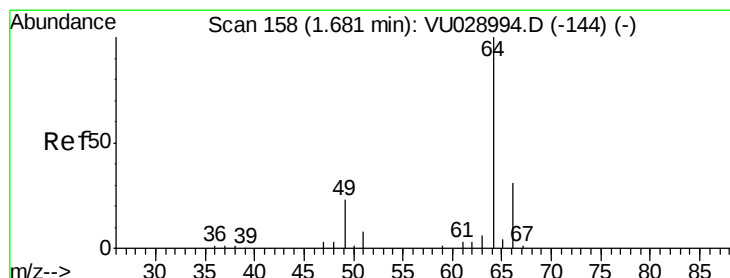
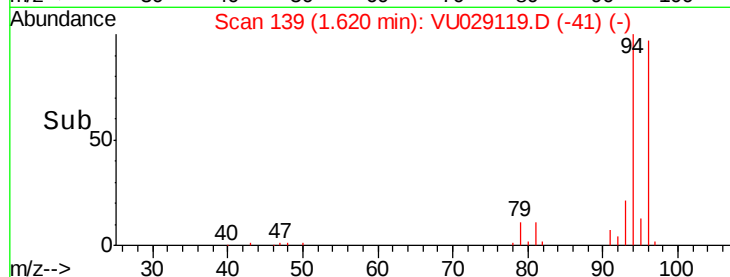
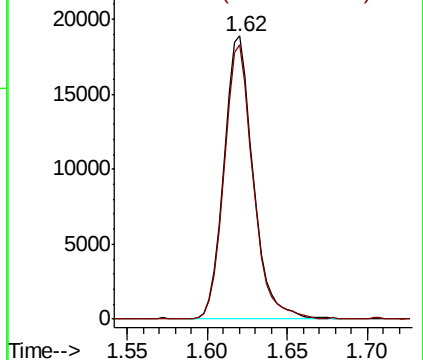
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 20.010 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU029119.D

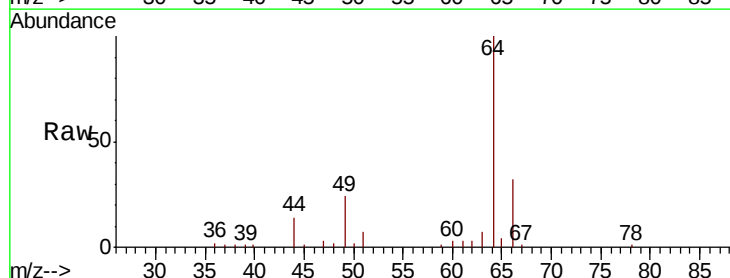
Acq: 10 Jan 2019 15:28

Tgt Ion: 64 Resp: 24620

Ion Ratio Lower Upper

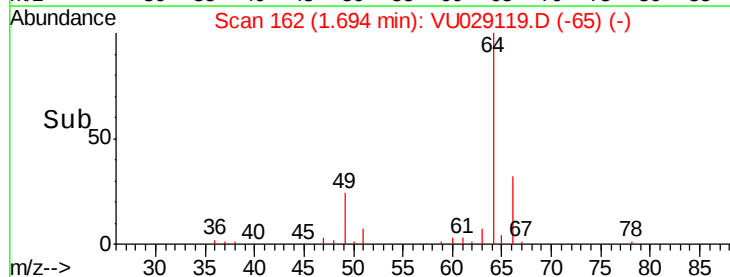
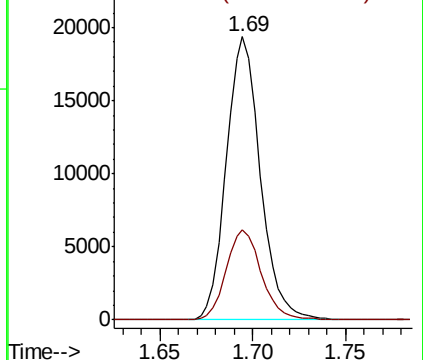
64 100

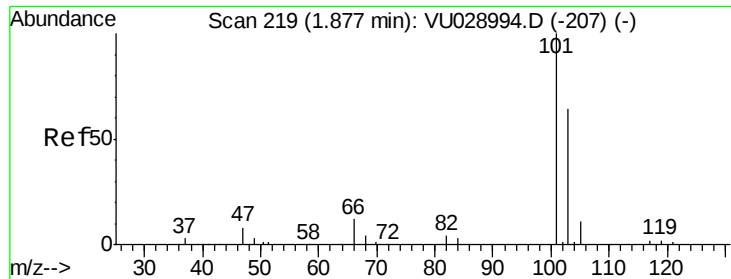
66 31.7 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

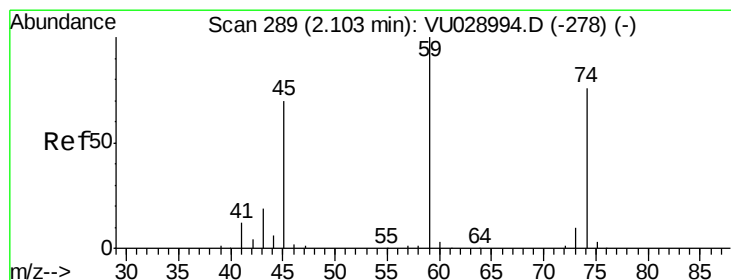
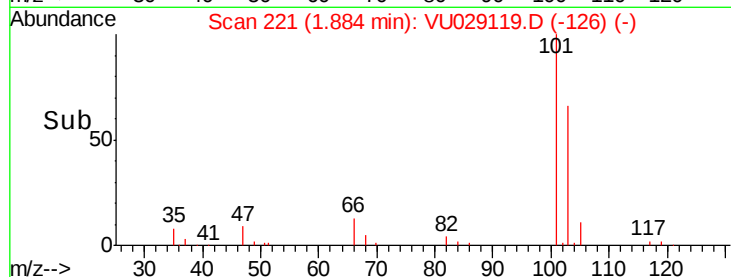
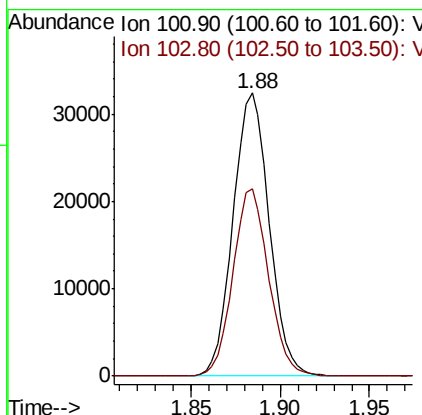
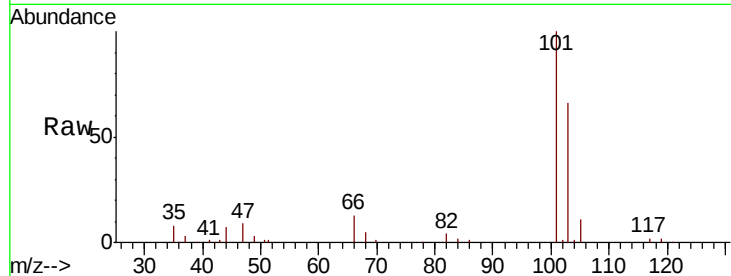
Trichlorofluoromethane
Concen: 20.295 ug/l
RT: 1.88 min Scan# 221
Delta R.T. 0.01 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Instrument :
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ClientSampleId :
VU0110MBSD01

Tgt Ion: 101 Resp: 45680
Ion Ratio Lower Upper
101 100
103 66.2 51.5 77.3

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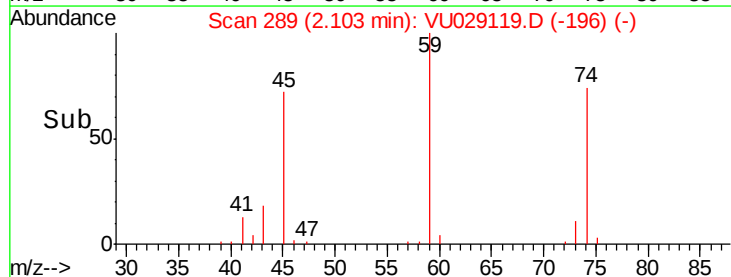
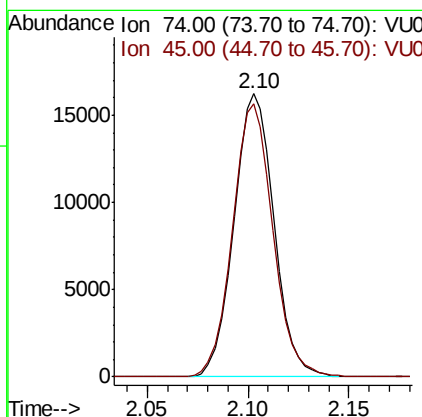
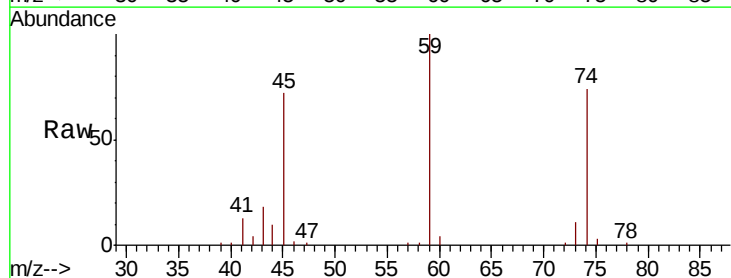
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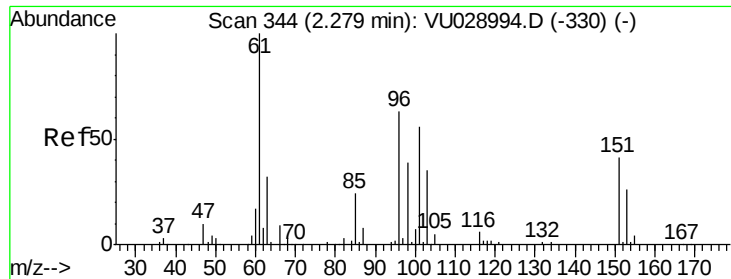


#8

Diethyl Ether
Concen: 20.891 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Tgt Ion: 74 Resp: 22591
Ion Ratio Lower Upper
74 100
45 97.4 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.651 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Instrument :

MSVOA_U

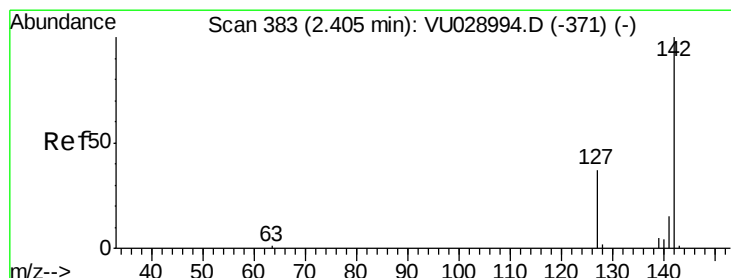
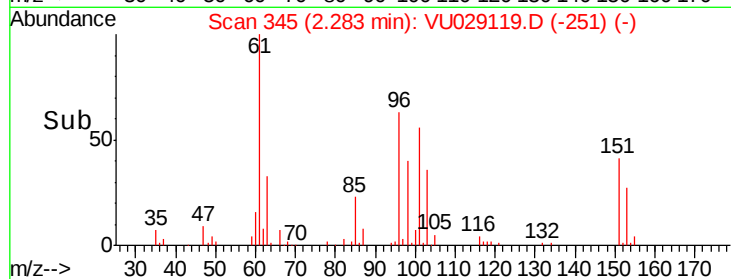
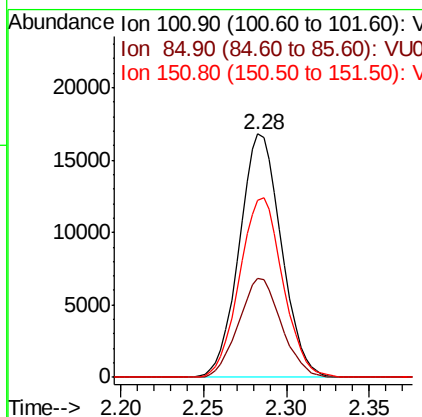
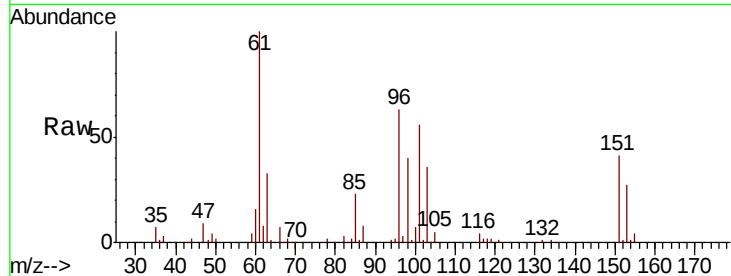
ClientSampleId :

VU0110MBSD01

Tgt Ion:	101	Resp:	29595
Ion Ratio	Lower	Upper	
101	100		
85	41.2	35.1	52.7
151	76.1	60.2	90.2

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#10

Methyl Iodide

Concen: 21.894 ug/l

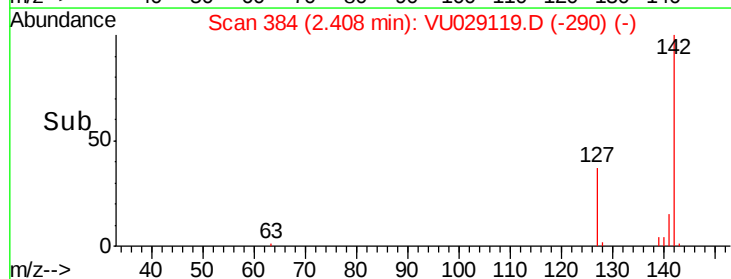
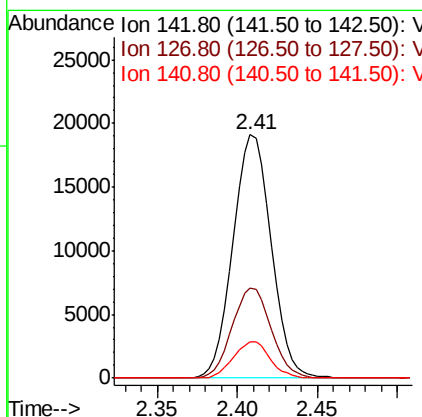
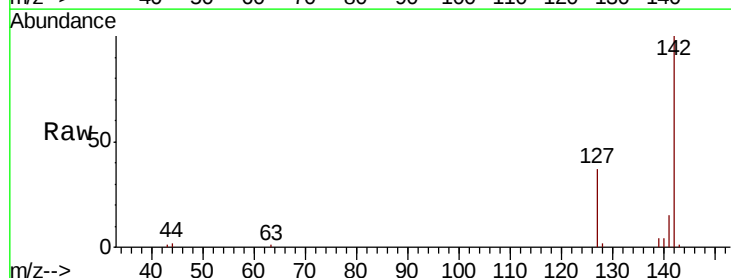
RT: 2.41 min Scan# 384

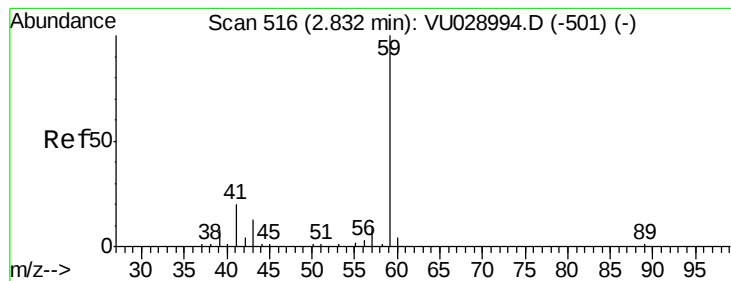
Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Tgt Ion:	142	Resp:	31003
Ion Ratio	Lower	Upper	
142	100		
127	37.7	29.8	44.6
141	14.3	11.5	17.3





#11

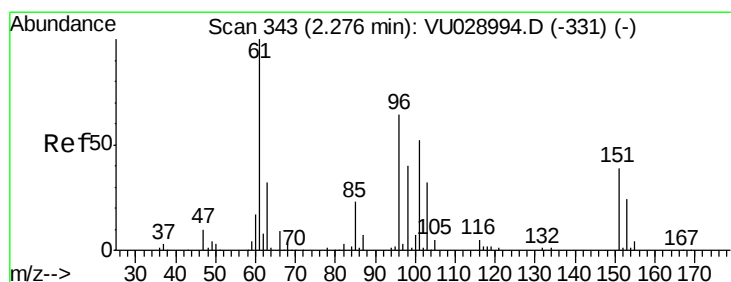
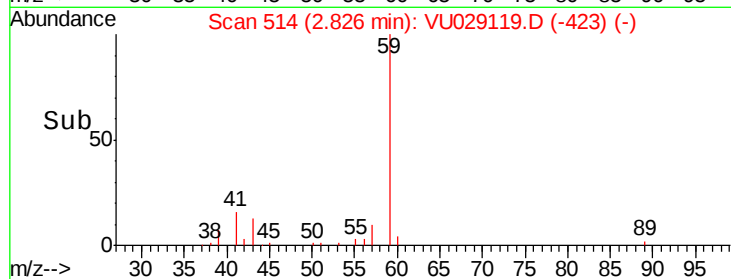
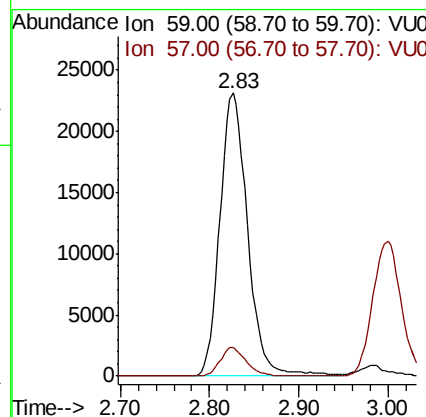
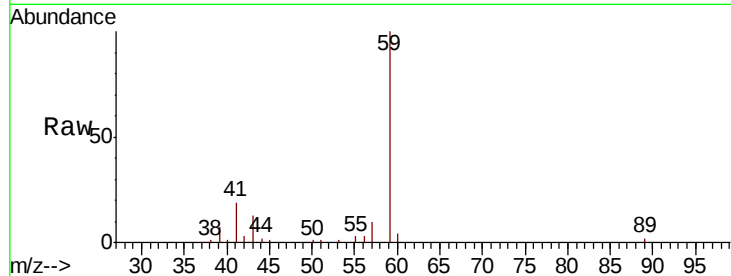
Tert butyl alcohol
Concen: 111.932 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.01 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBSD01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.4	7.9	11.9

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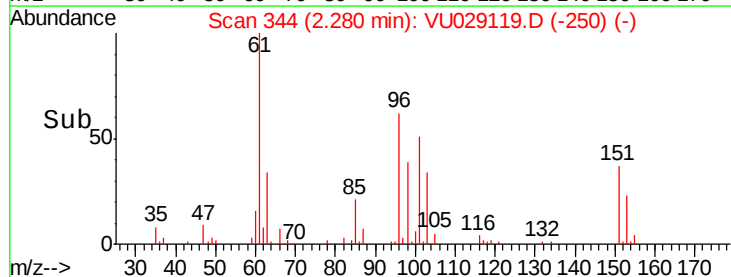
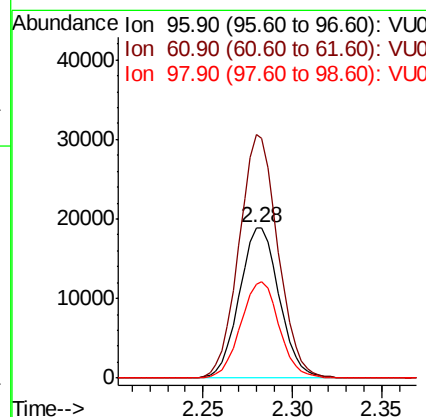
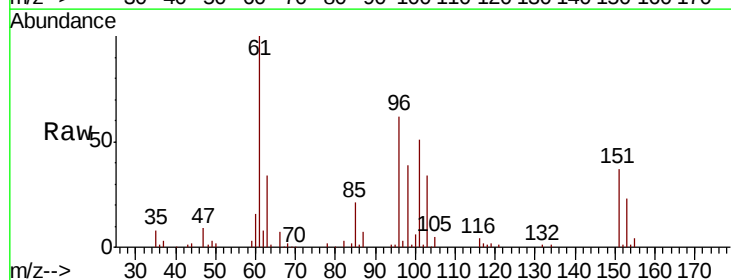
MMDadoda
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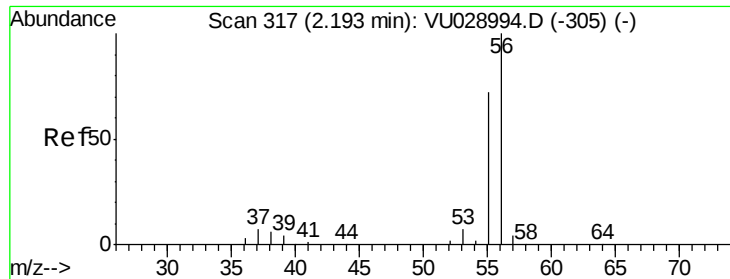


#12

1,1-Dichloroethene
Concen: 20.127 ug/l
RT: 2.28 min Scan# 344
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.7	125.4	188.0
98	62.6	49.7	74.5





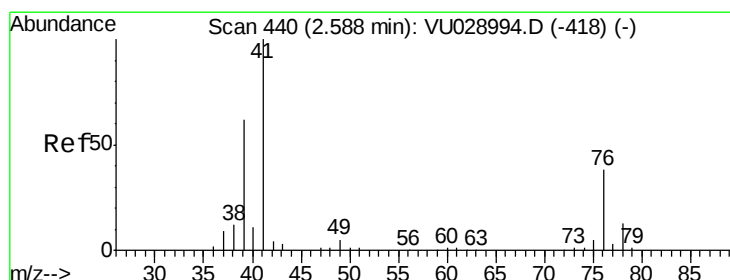
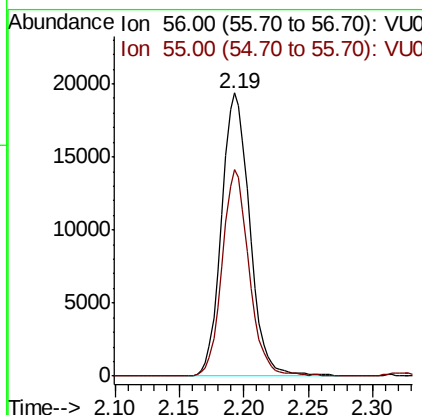
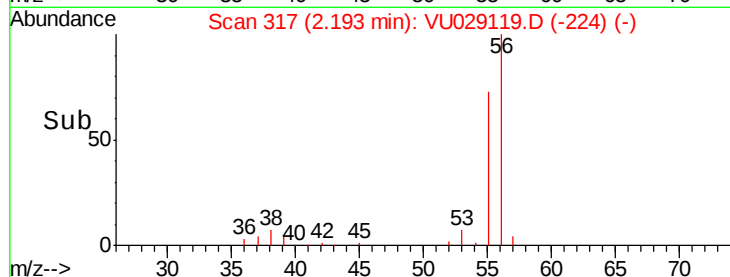
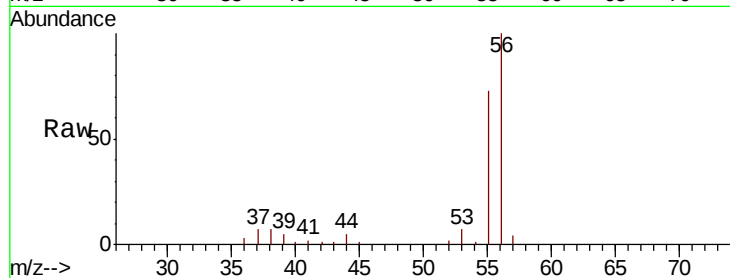
#13
Acrolein
Concen: 88.182 ug/l
RT: 2.19 min Scan# 317
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
55	69.4	56.5	84.7

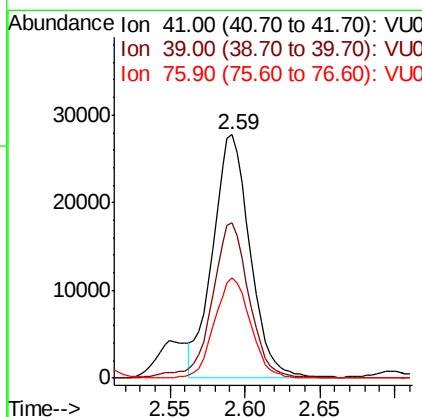
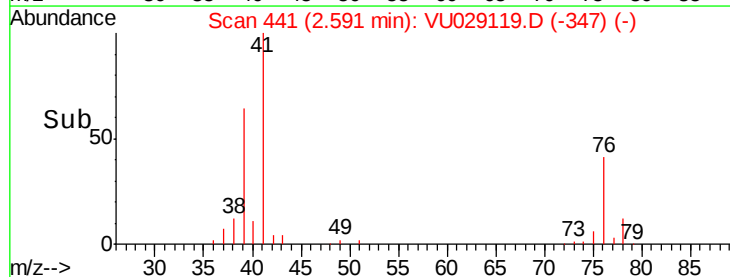
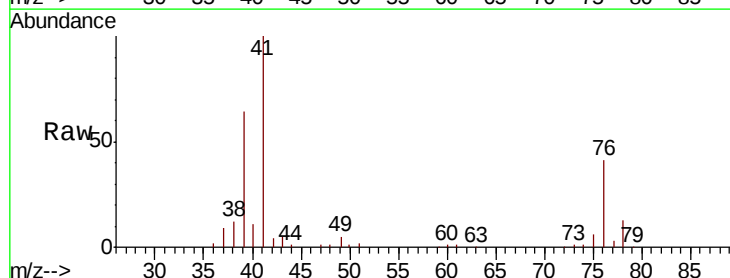
Manual Integrations
APPROVED

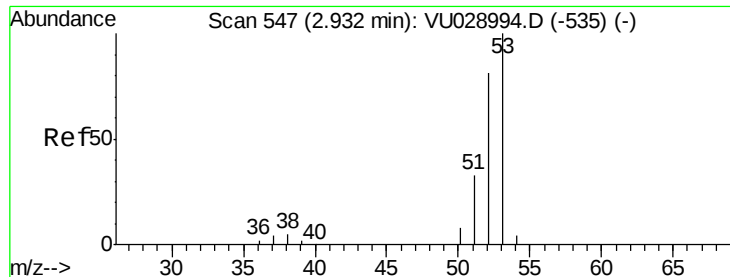
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#14
Allyl chloride
Concen: 17.962 ug/l
RT: 2.59 min Scan# 441
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.4	45.0	67.6
76	39.6	28.1	42.1





#15

Acrylonitrile

Concen: 107.083 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Instrument :

MSVOA_U

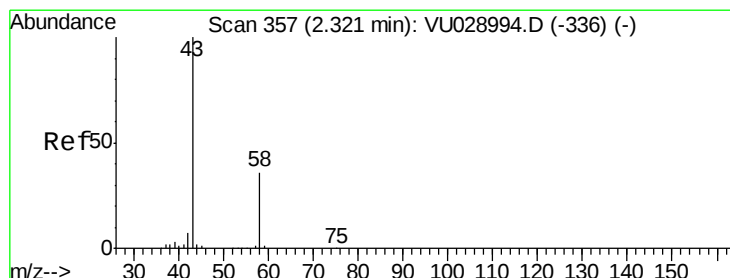
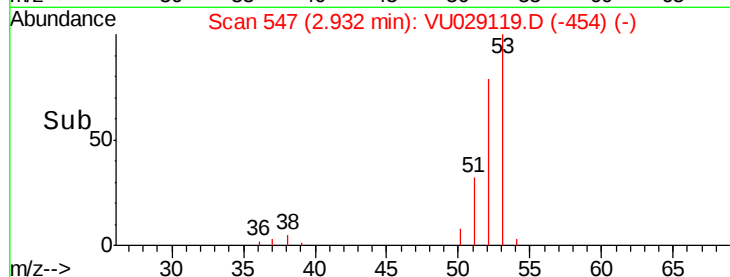
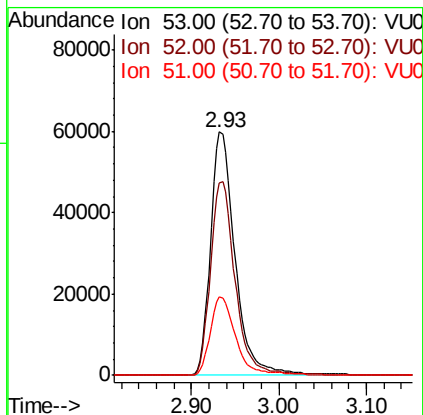
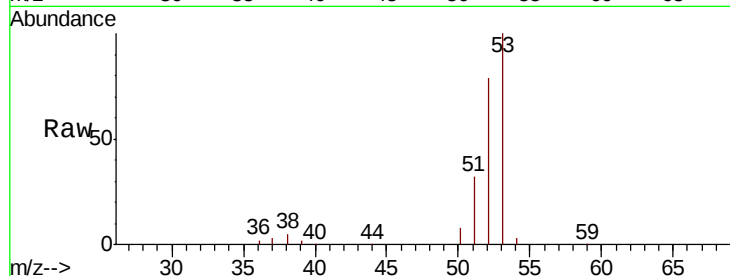
ClientSampleId :

VU0110MBSD01

Tgt Ion:	53	Resp:	116677
Ion	Ratio	Lower	Upper
53	100		
52	80.4	64.8	97.2
51	33.8	27.3	40.9

Manual Integrations
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#16

Acetone

Concen: 84.124 ug/l

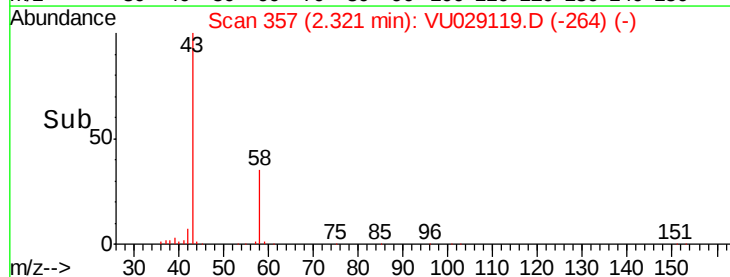
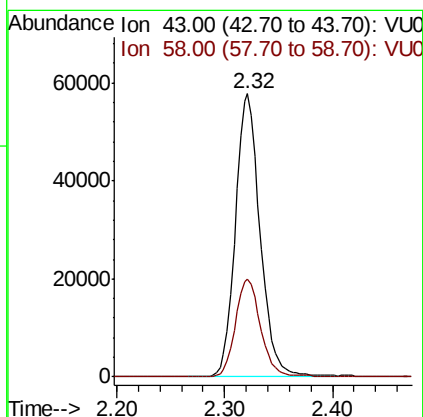
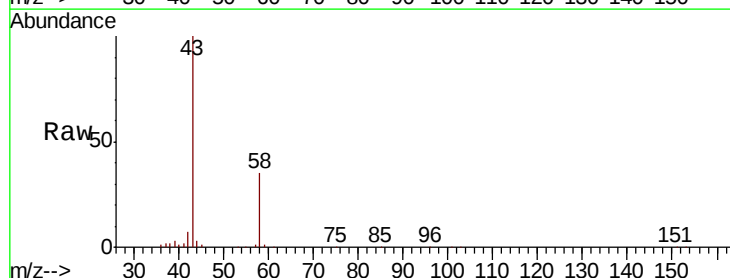
RT: 2.32 min Scan# 357

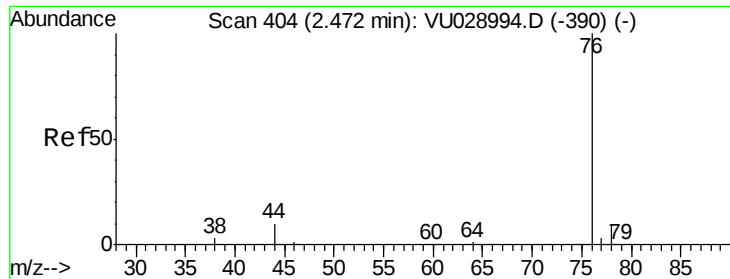
Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Tgt Ion:	43	Resp:	92595
Ion	Ratio	Lower	Upper
43	100		
58	34.7	28.6	42.8





#17

Carbon Disulfide

Concen: 17.853 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBSD01

Tgt Ion: 76 Resp: 88404

Ion Ratio Lower Upper

76 100

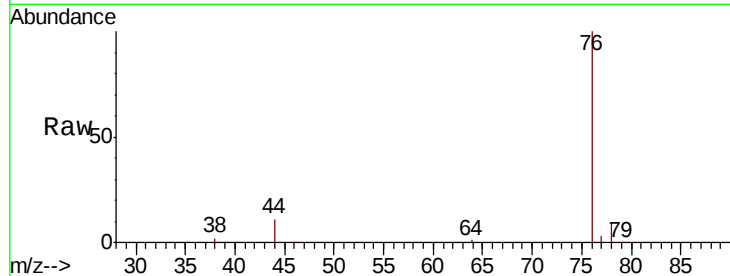
78 8.8 7.2 10.8

Manual Integrations

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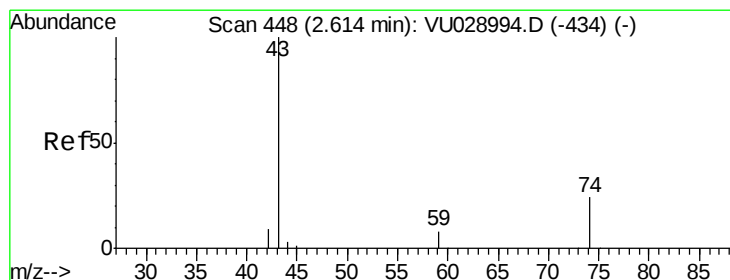
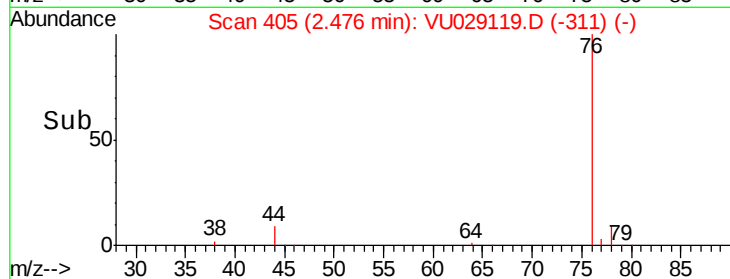
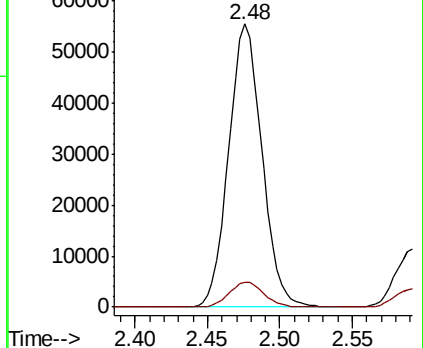
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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 22.056 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU029119.D

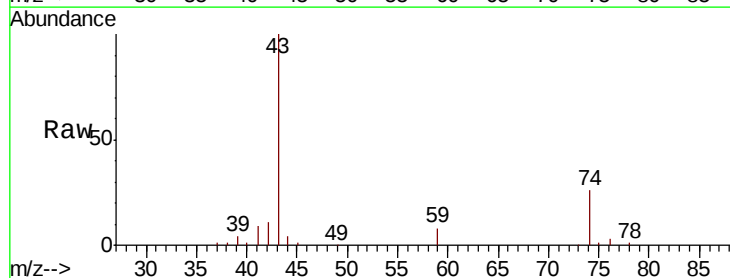
Acq: 10 Jan 2019 15:28

Tgt Ion: 43 Resp: 56449

Ion Ratio Lower Upper

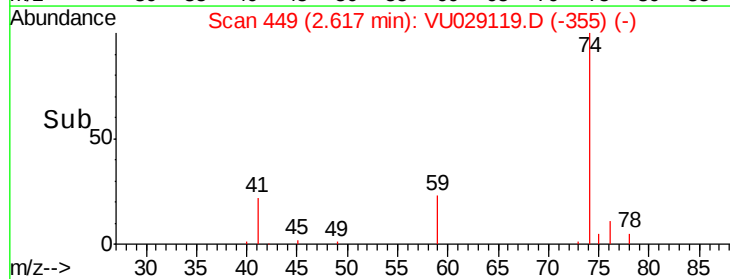
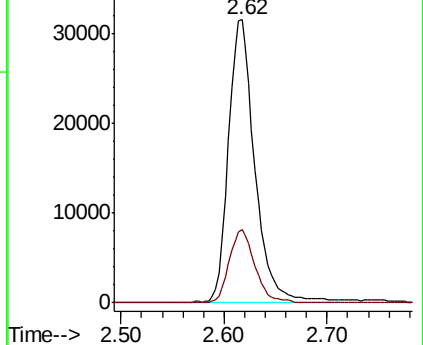
43 100

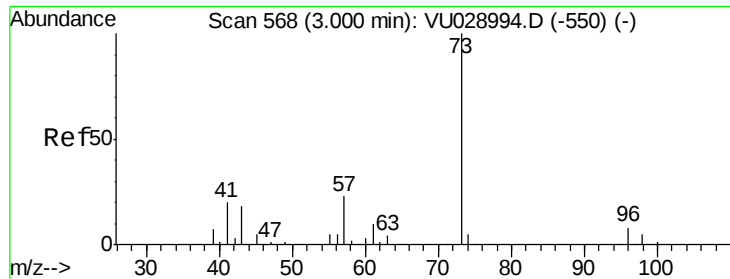
74 25.3 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





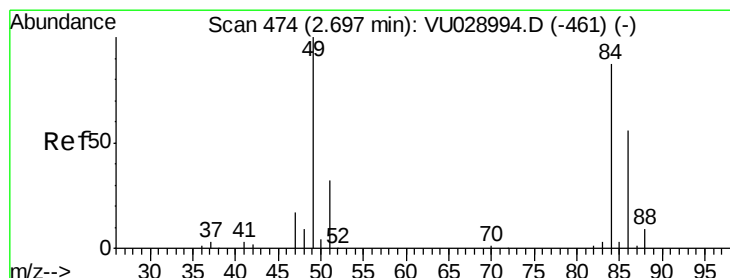
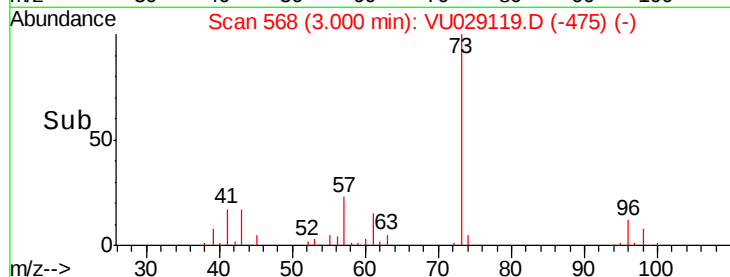
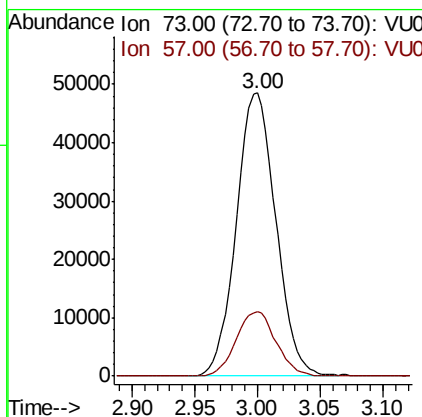
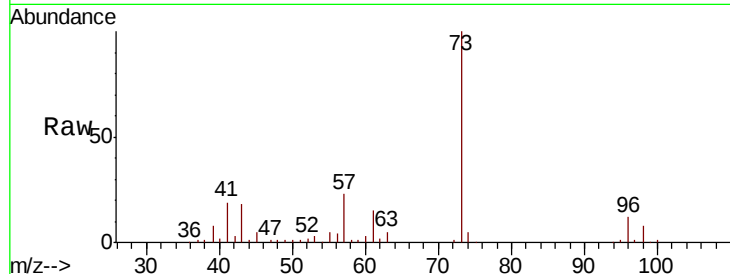
#19
Methyl tert-butyl Ether
Concen: 20.599 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBSD01

Tgt Ion: 73 Resp: 106160
Ion Ratio Lower Upper
73 100
57 22.7 18.6 28.0

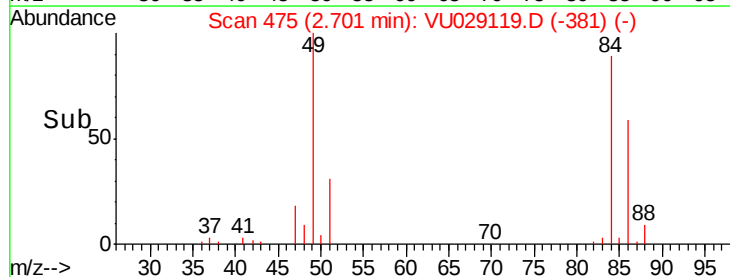
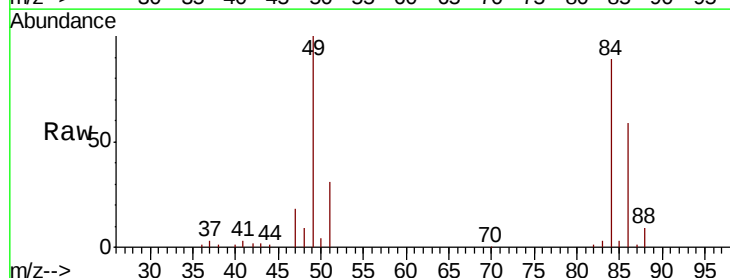
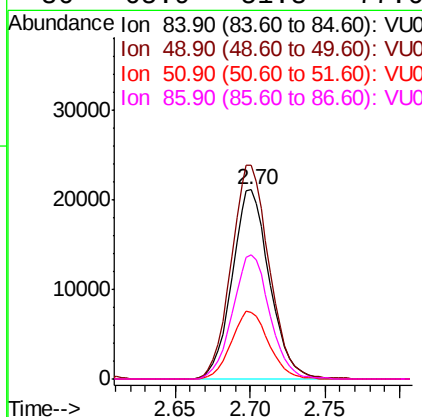
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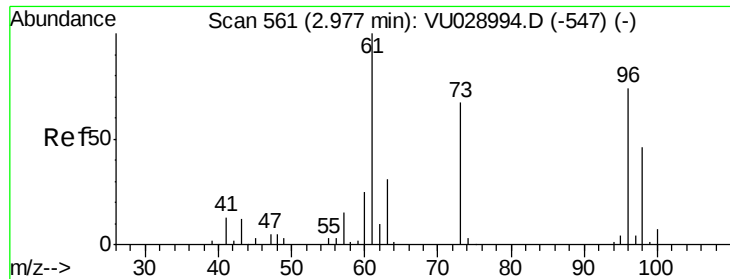
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#20
Methylene Chloride
Concen: 19.625 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Tgt Ion: 84 Resp: 36675
Ion Ratio Lower Upper
84 100
49 112.7 91.9 137.9
51 35.5 29.2 43.8
86 65.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 18.900 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBSD01

Tgt Ion: 96 Resp: 32189

Ion Ratio Lower Upper

96 100

61 139.3 107.7 161.5

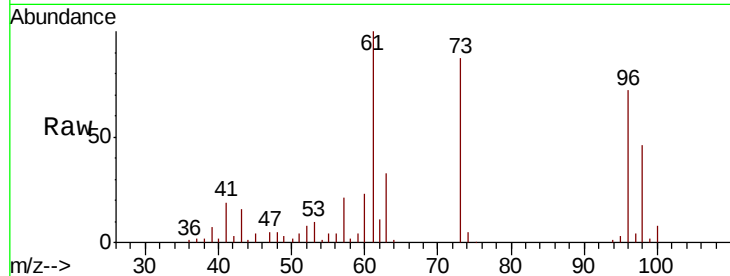
98 64.0 49.2 73.8

Manual Integrations

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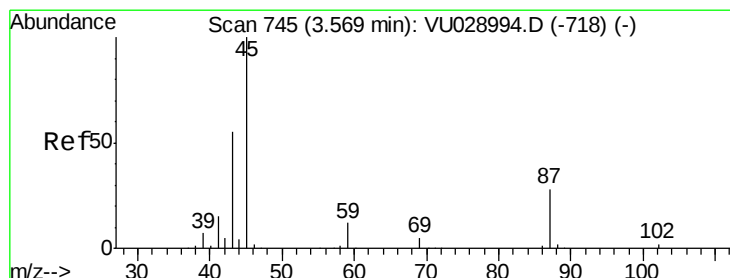
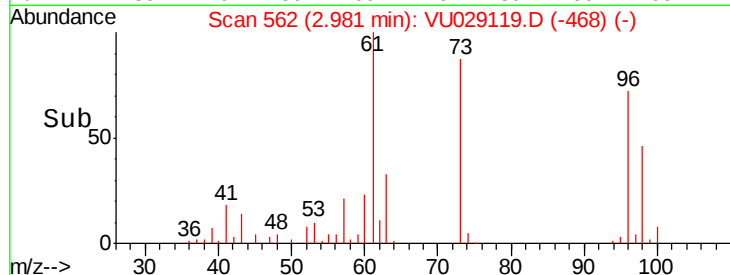
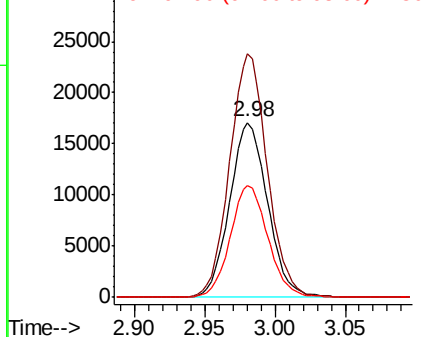


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 20.382 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Tgt Ion: 45 Resp: 108346

Ion Ratio Lower Upper

45 100

43 56.4 44.7 67.1

87 27.8 22.2 33.2

59 12.6 9.8 14.8

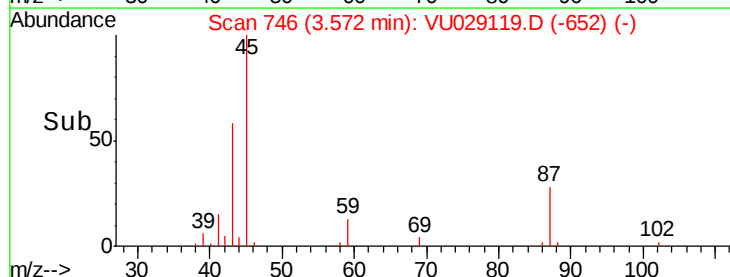
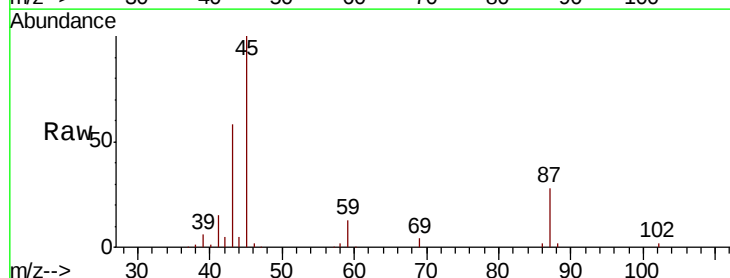
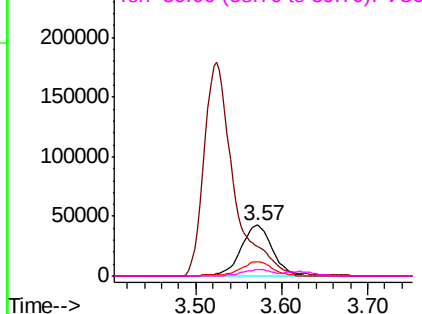
Abundance

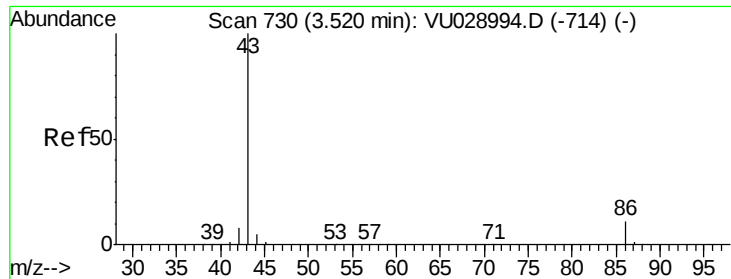
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 100.591 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBS01

Tgt Ion: 43 Resp: 437139

Ion Ratio Lower Upper

43 100

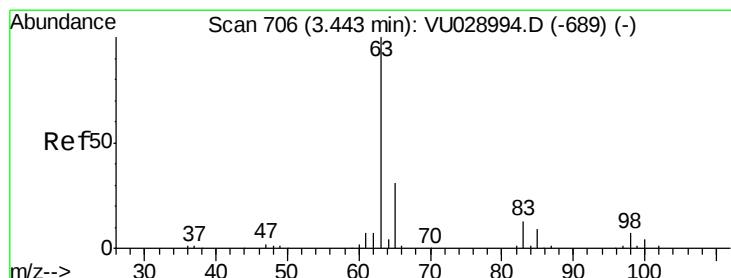
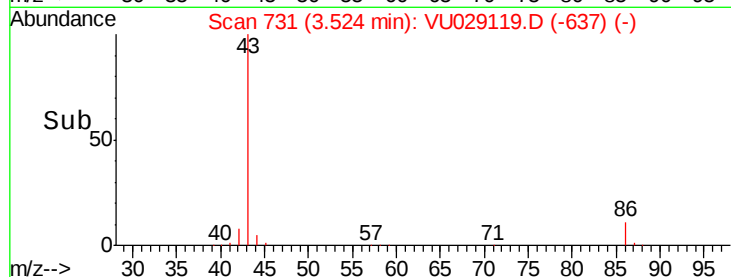
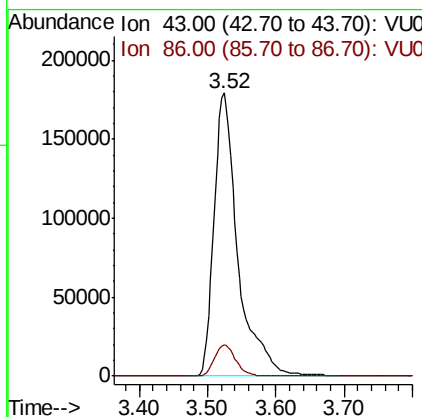
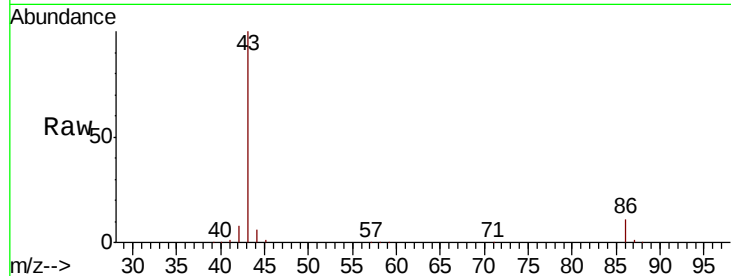
86 10.9 8.6 13.0

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#24

1,1-Dichloroethane

Concen: 20.646 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

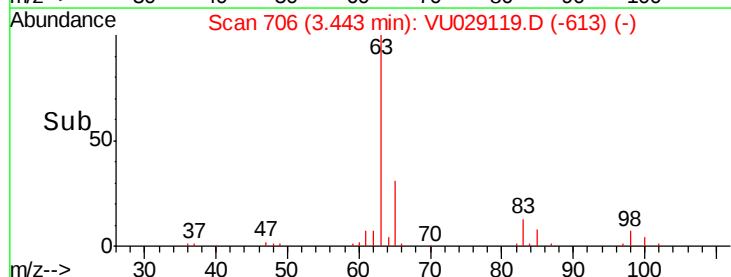
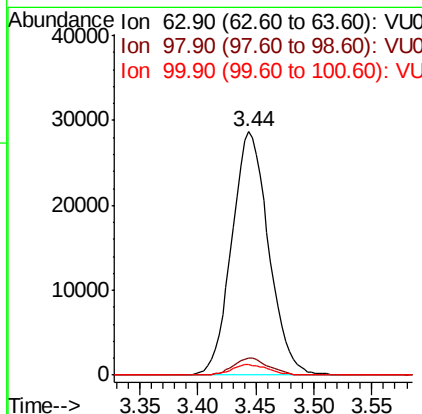
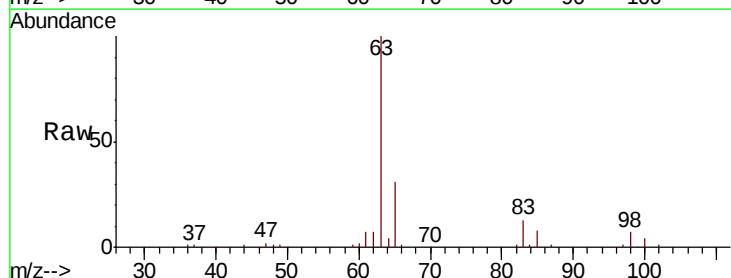
Tgt Ion: 63 Resp: 63356

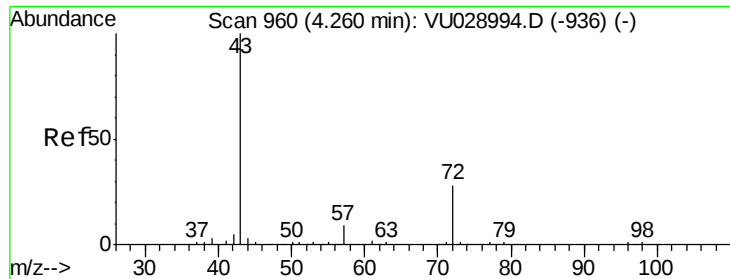
Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.1

100 4.2 2.0 5.8





#25

2-Butanone

Concen: 101.137 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBSD01

Tgt Ion: 43 Resp: 150356

Ion Ratio Lower Upper

43 100

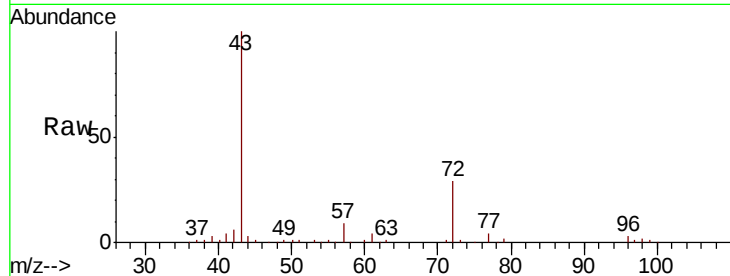
72 28.6 22.6 33.8

Manual Integrations

APPROVED

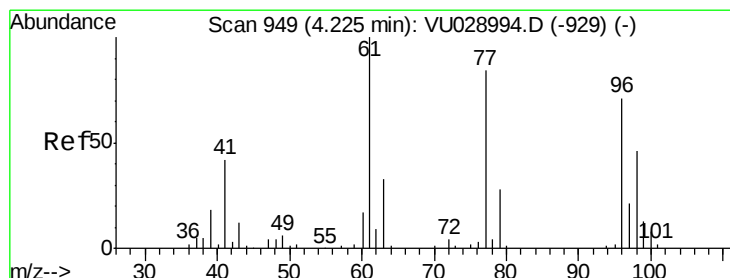
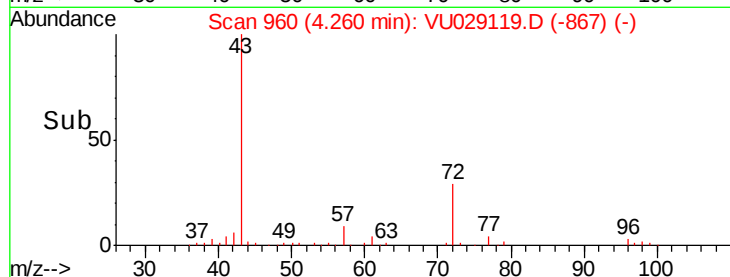
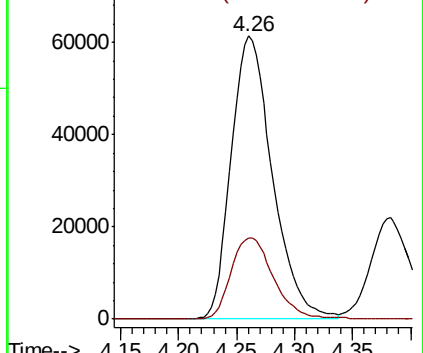
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 18.537 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU029119.D

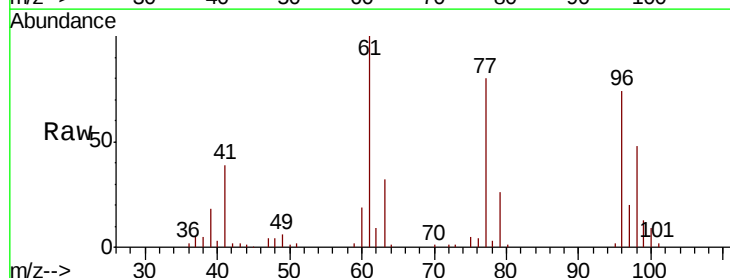
Acq: 10 Jan 2019 15:28

Tgt Ion: 77 Resp: 45965

Ion Ratio Lower Upper

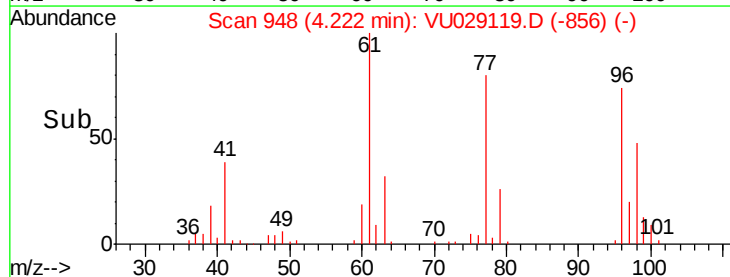
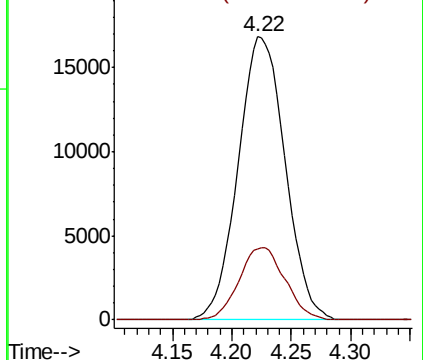
77 100

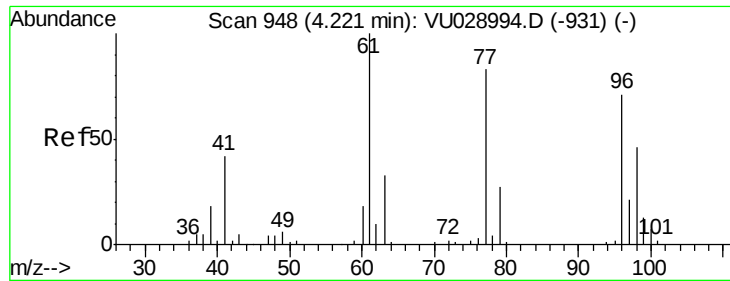
97 25.1 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

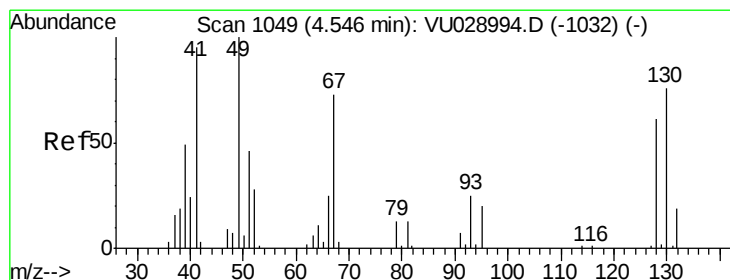
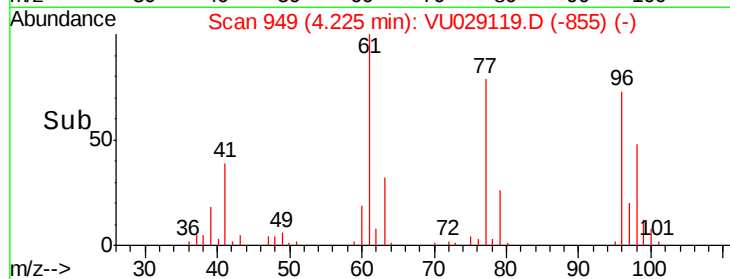
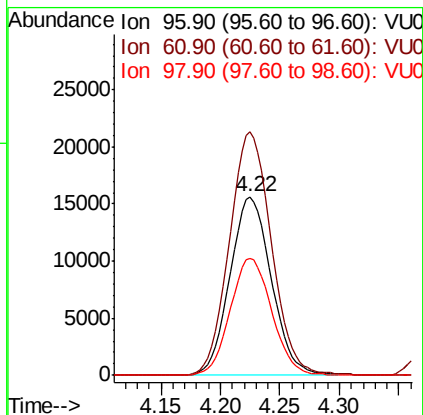
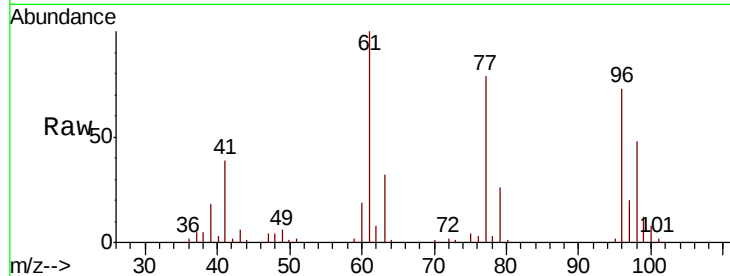
cis-1,2-Dichloroethene
Concen: 20.245 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBSD01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.6	0.0	285.6
98	65.4	0.0	130.2

Manual Integrations
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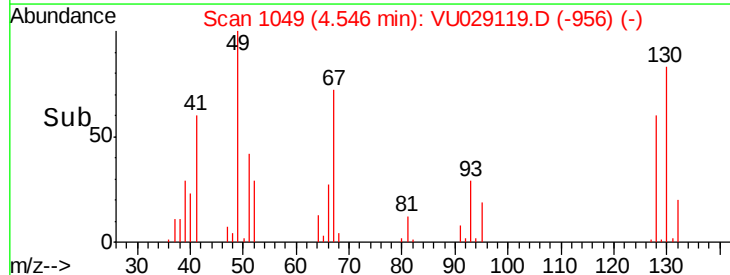
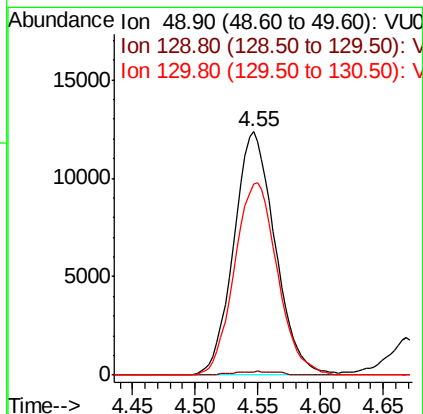
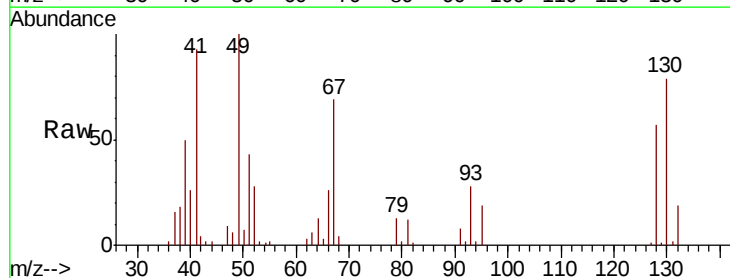
MMDadoda
1/11/2019 10:03:47 AM

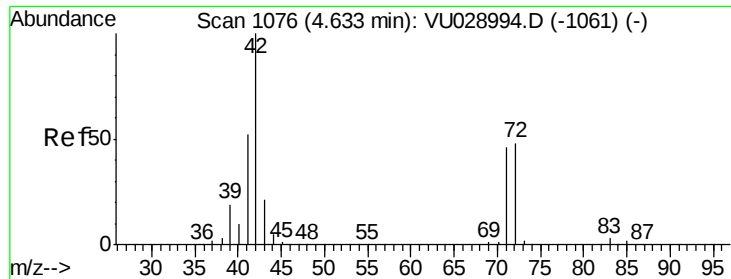


#28

Bromochloromethane
Concen: 21.546 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.4
130	82.1	62.9	94.3





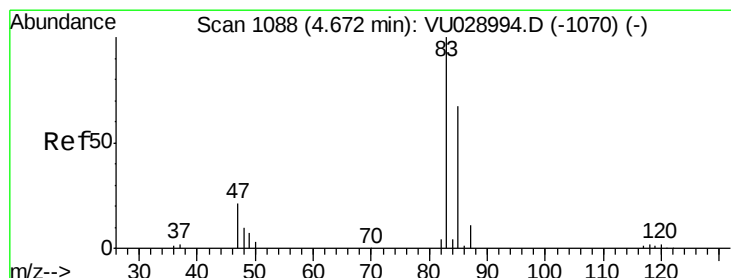
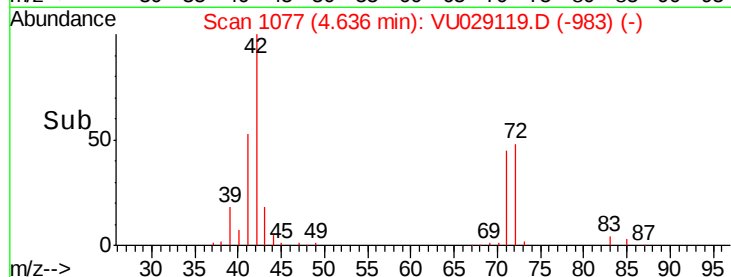
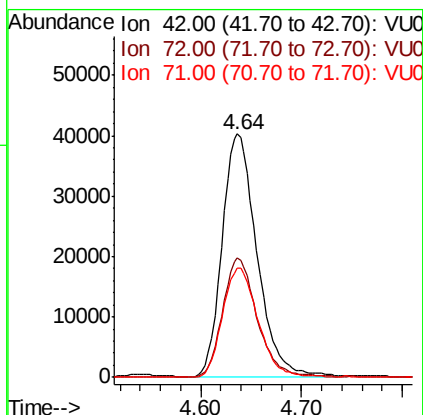
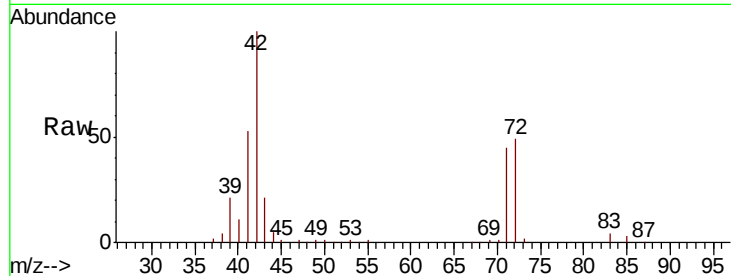
#29
Tetrahydrofuran
Concen: 108.078 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	48.6	38.3	57.5
71	45.8	36.1	54.1

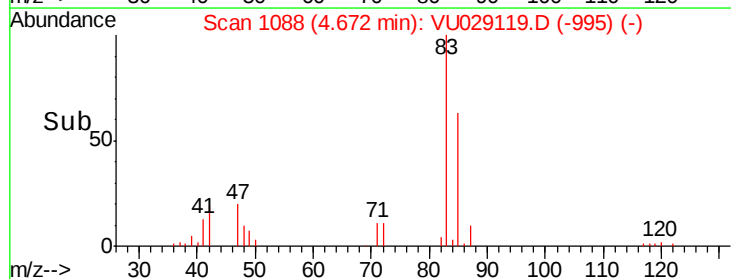
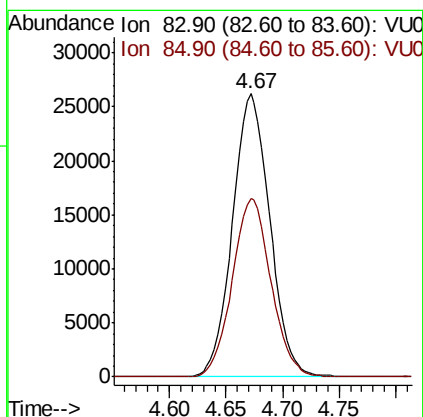
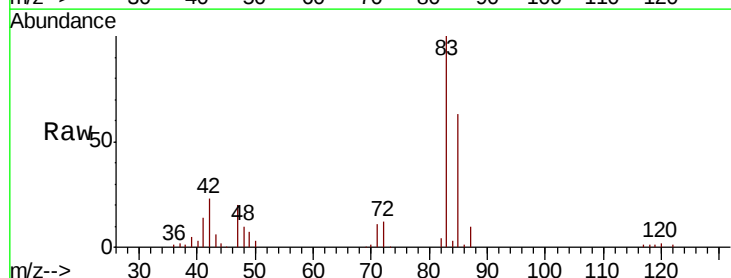
Manual Integrations
APPROVED

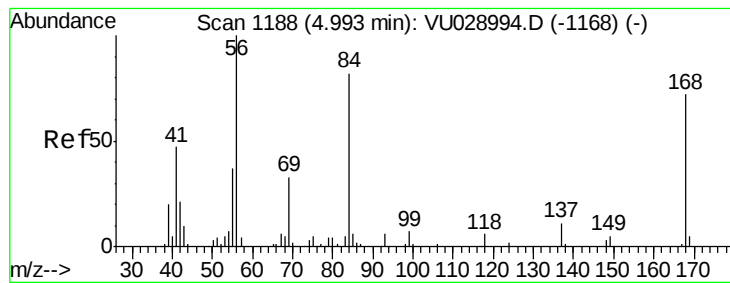
MMDadoda
1/11/2019 10:03:47 AM



#30
Chloroform
Concen: 20.601 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	53.4	80.0





#31

Cyclohexane

Concen: 19.409 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBSD01

Tgt Ion: 56 Resp: 58214
Ion Ratio Lower Upper

56 100

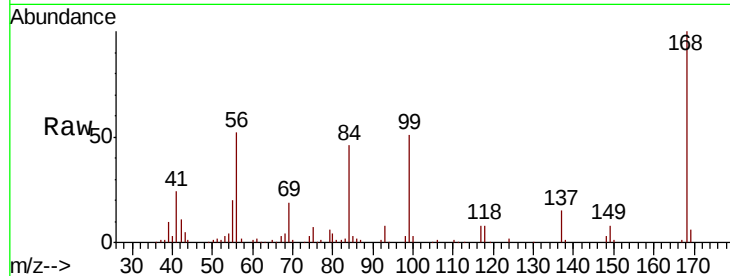
69 36.0 26.7 40.1

84 87.5 65.7 98.5

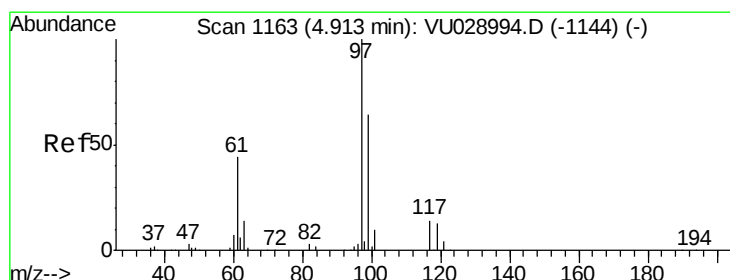
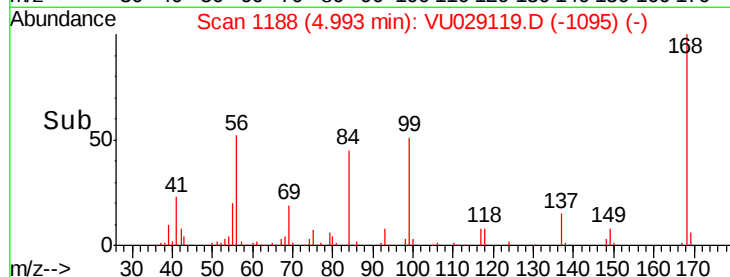
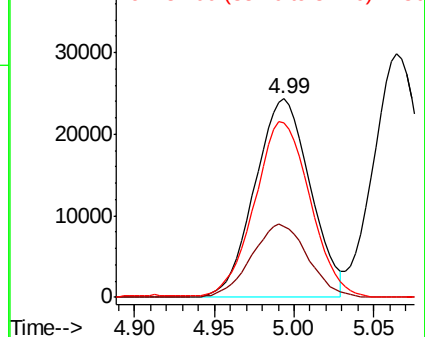
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 20.468 ug/l

RT: 4.91 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VU029119.D

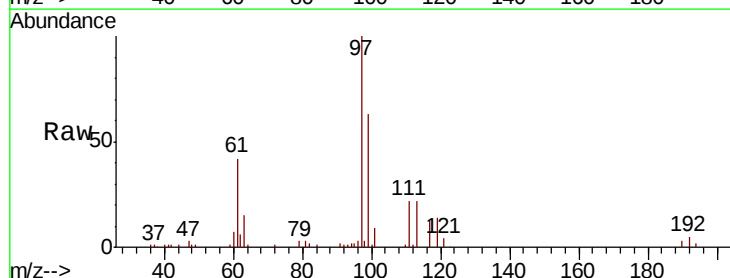
Acq: 10 Jan 2019 15:28

Tgt Ion: 97 Resp: 49432
Ion Ratio Lower Upper

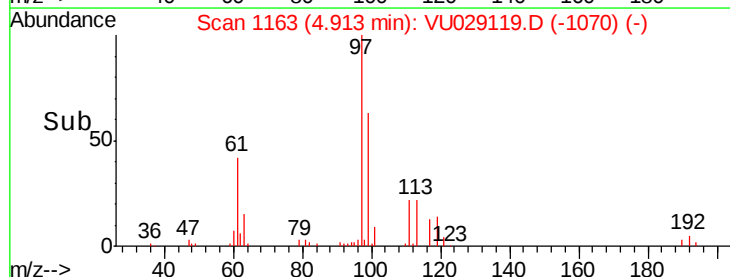
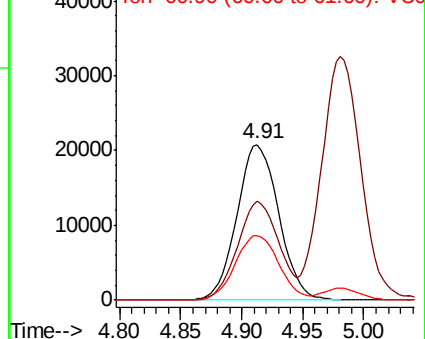
97 100

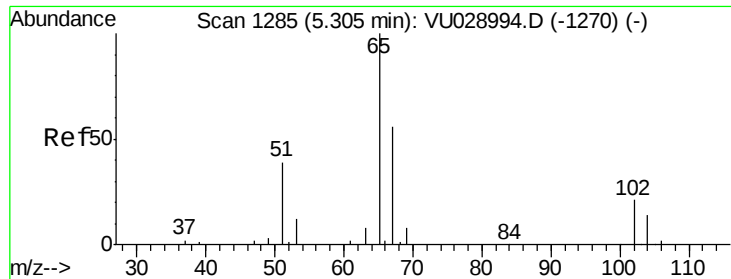
99 62.9 51.0 76.4

61 43.3 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





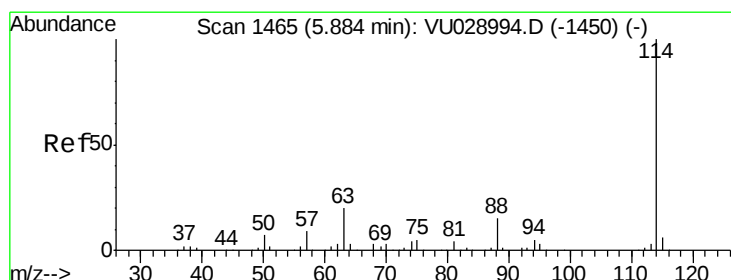
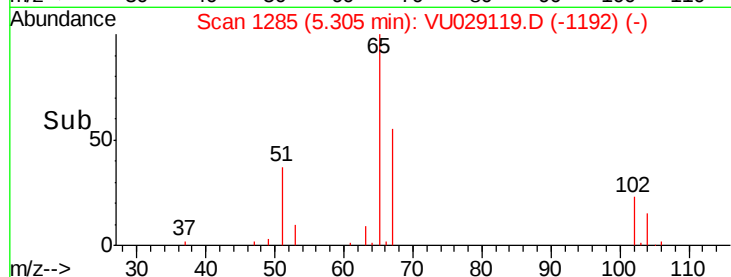
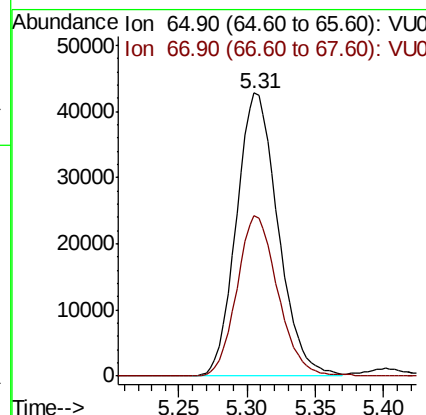
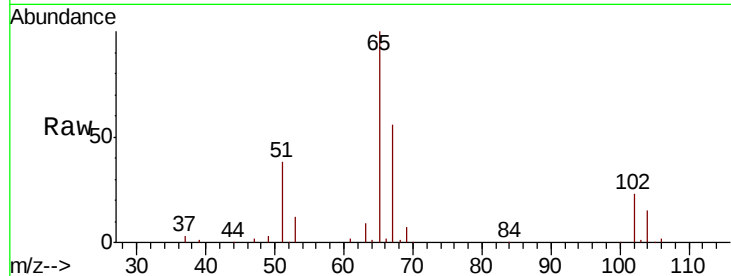
#33
 1,2-Dichloroethane-d4
 Concen: 51.938 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029119.D
 Acq: 10 Jan 2019 15:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	90749		
67	55.6	0.0	111.0	

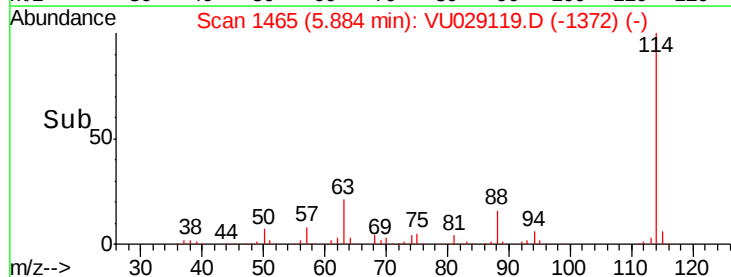
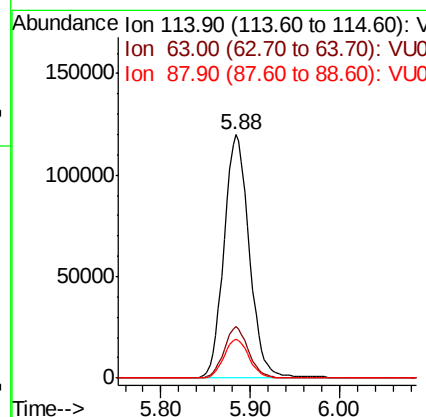
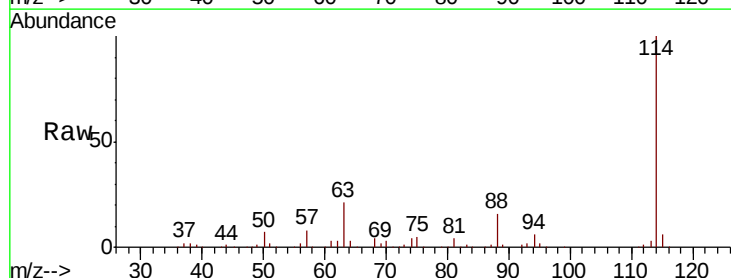
Manual Integrations
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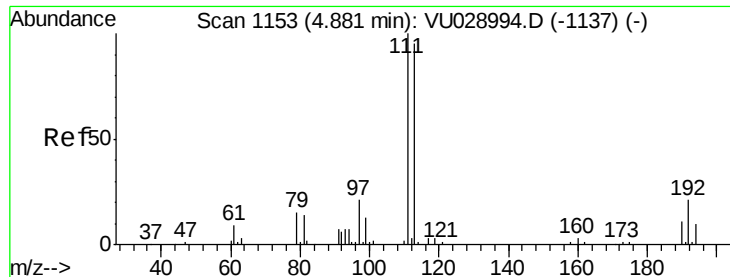
MMDadoda
 1/11/2019 10:03:47 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029119.D
 Acq: 10 Jan 2019 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	236298		
63	21.0	0.0	40.2	
88	15.8	0.0	30.4	





#35

Dibromofluoromethane

Concen: 50.389 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBSD01

Tgt Ion:113 Resp: 77183

Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.2

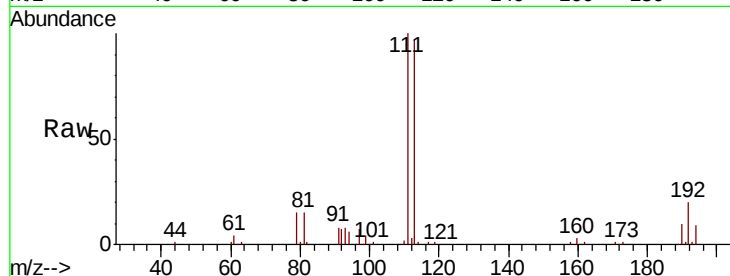
192 21.3 16.8 25.2

Manual Integrations

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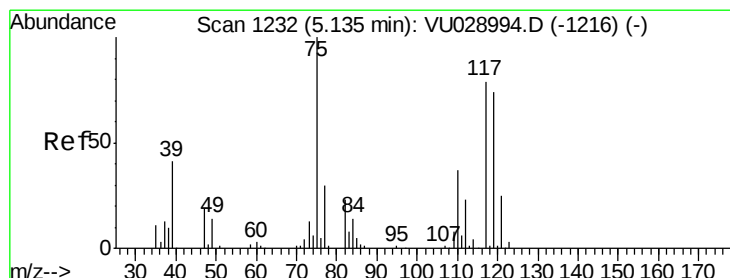
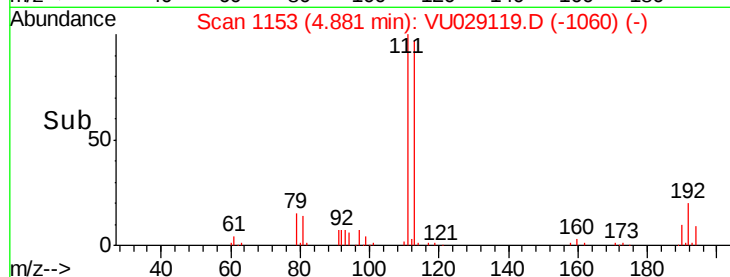
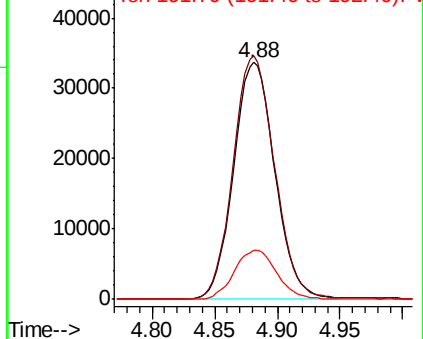
1/11/2019 10:03:47 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.402 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

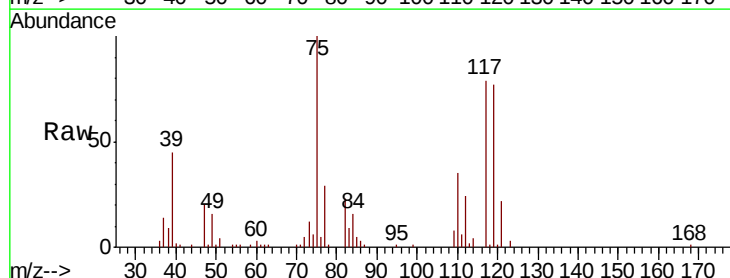
Tgt Ion: 75 Resp: 45825

Ion Ratio Lower Upper

75 100

110 35.2 18.4 55.4

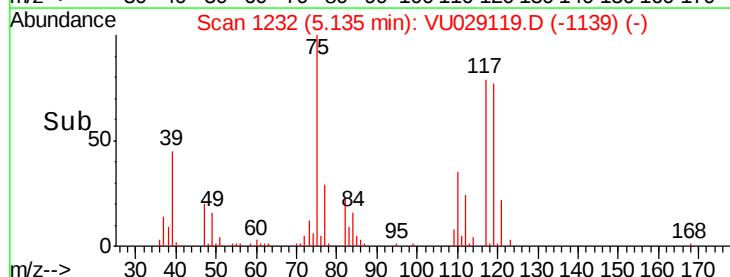
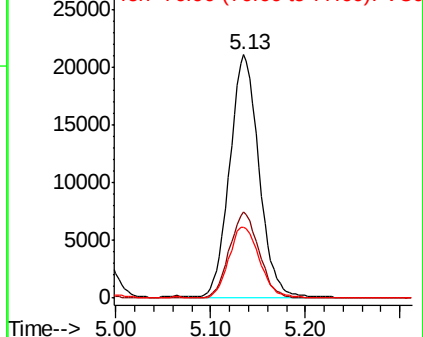
77 30.2 25.1 37.7

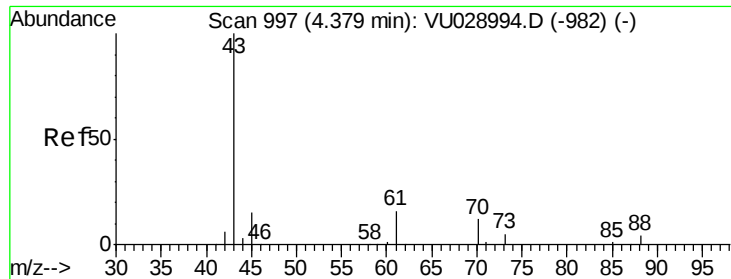


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 20.480 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Instrument :

MSVOA_U

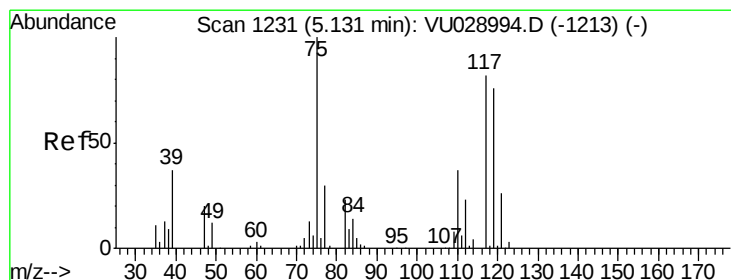
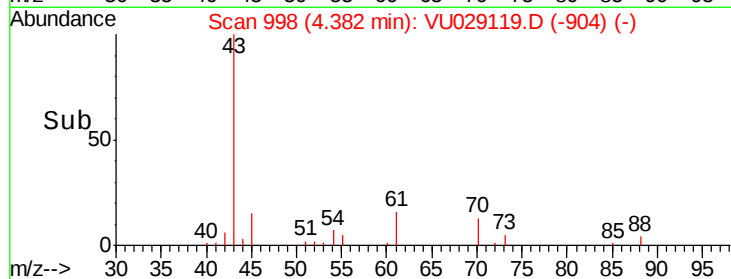
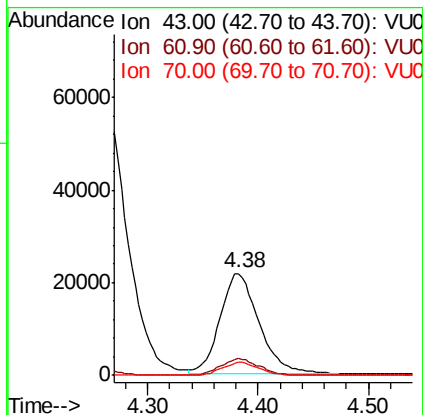
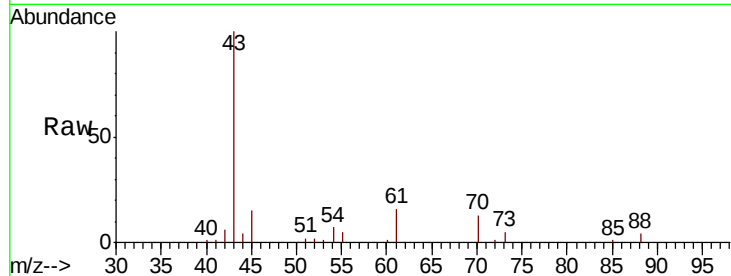
ClientSampleId :

VU0110MBSD01

Tgt Ion:	43	Resp:	53097
Ion	Ratio	Lower	Upper
43	100		
61	16.2	12.6	18.8
70	12.1	9.3	13.9

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 19.629 ug/l

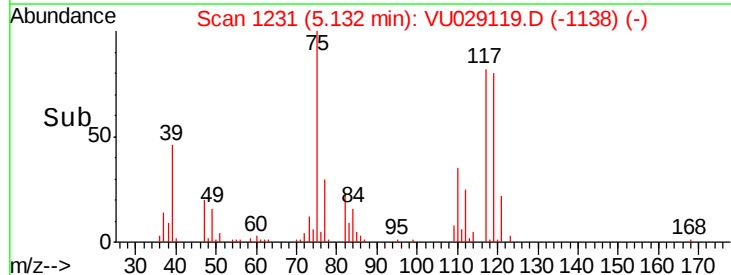
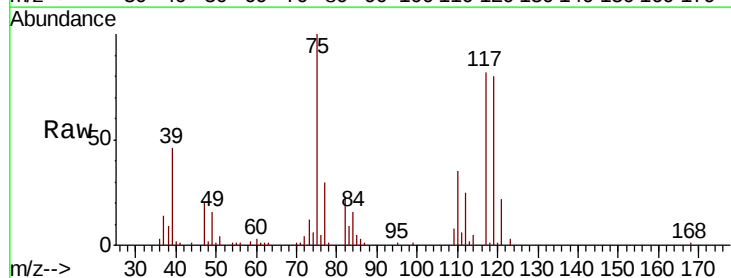
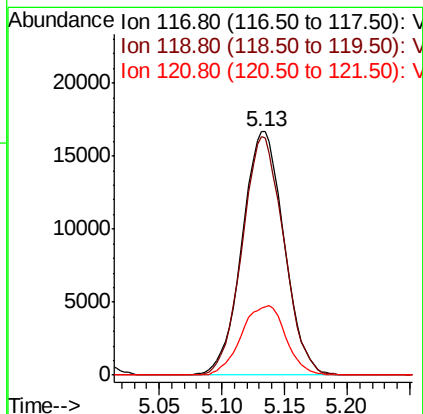
RT: 5.13 min Scan# 1231

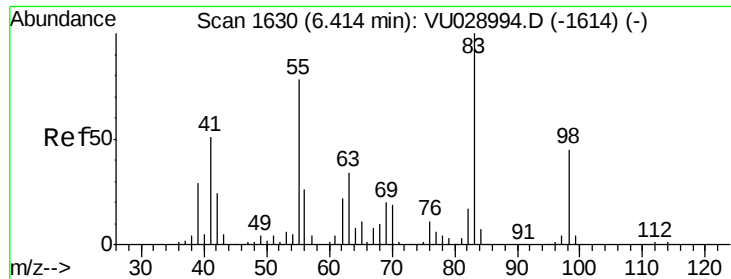
Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Tgt Ion:	117	Resp:	38668
Ion	Ratio	Lower	Upper
117	100		
119	98.2	74.6	111.8
121	27.3	25.0	37.6





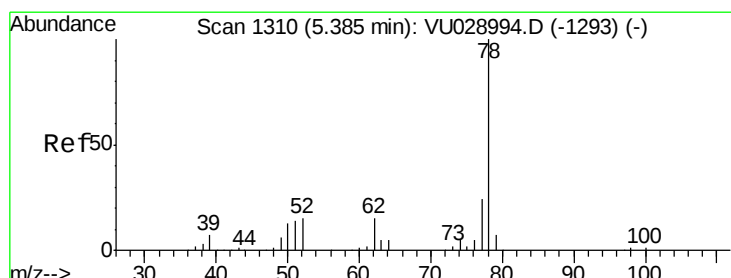
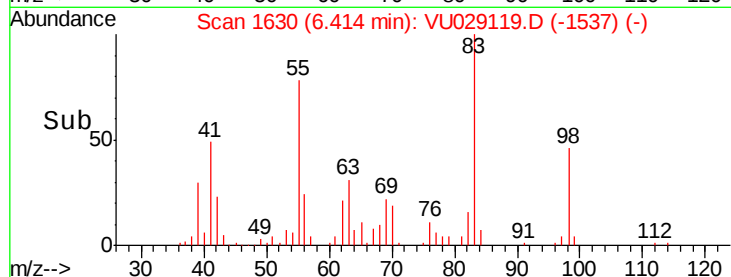
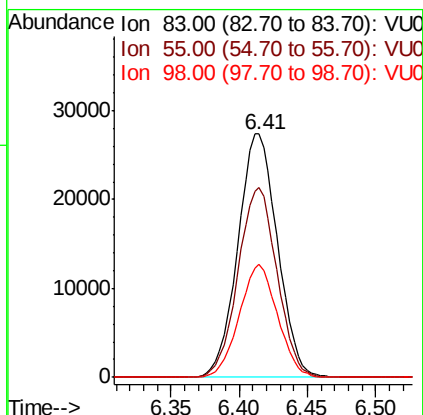
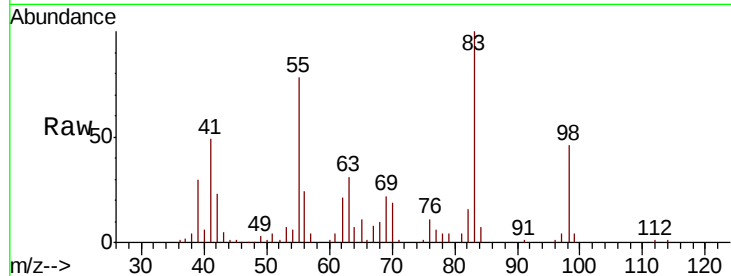
#39
Methylcyclohexane
Concen: 18.991 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.1	62.4	93.6
98	46.2	36.2	54.2

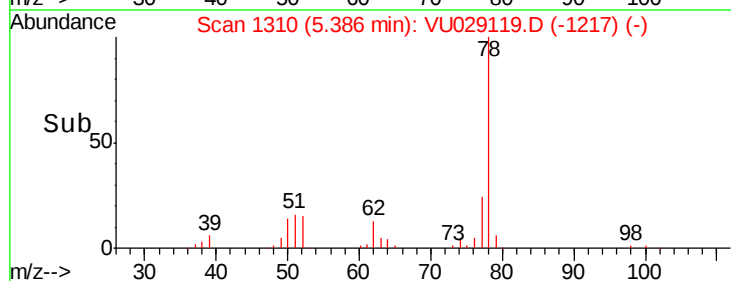
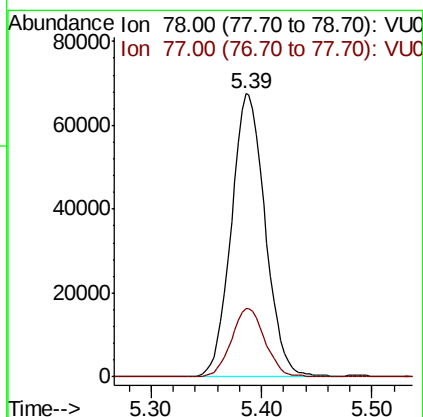
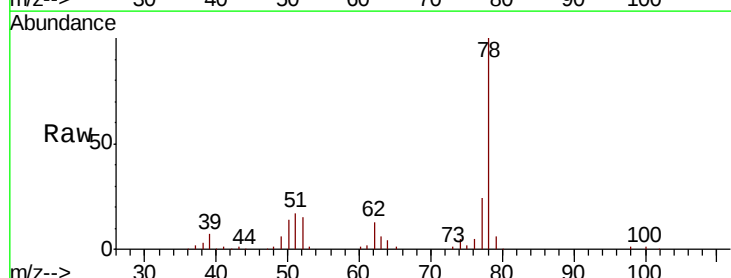
Manual Integrations
APPROVED

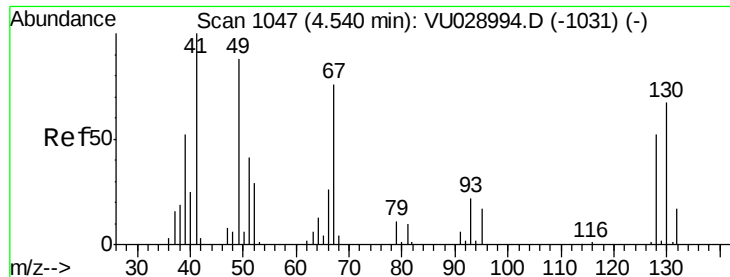
MMDadoda
1/11/2019 10:03:47 AM



#40
Benzene
Concen: 19.521 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.9	28.3





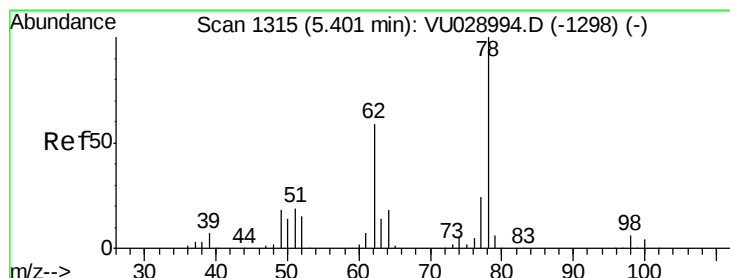
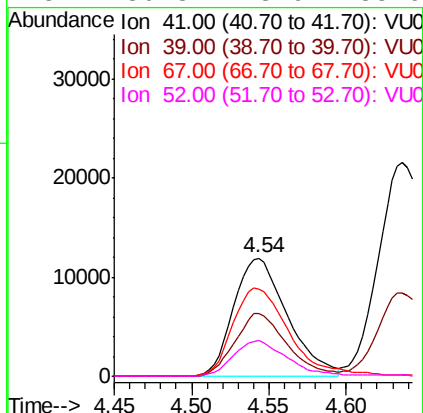
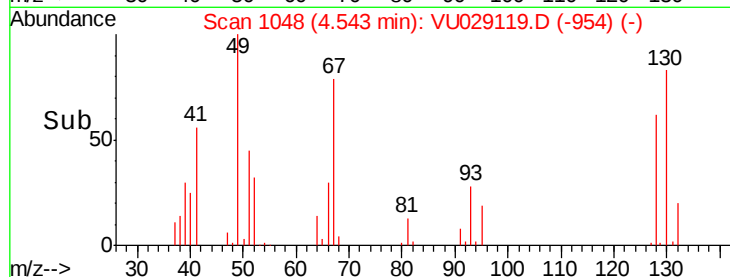
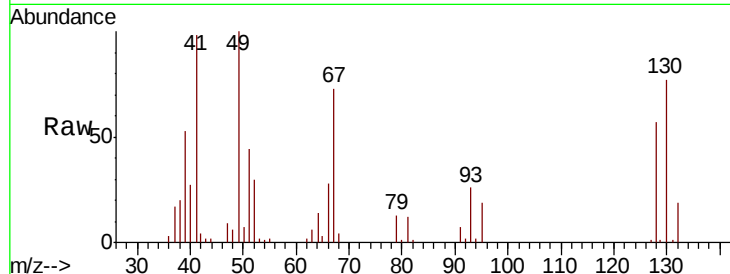
#41
Methacrylonitrile
Concen: 20.717 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	51.2	42.3	63.5
67	78.7	64.4	96.6
52	30.3	23.9	35.9

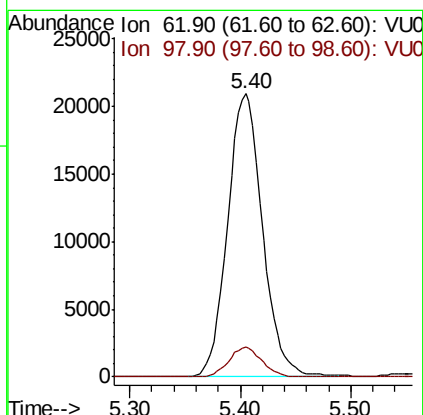
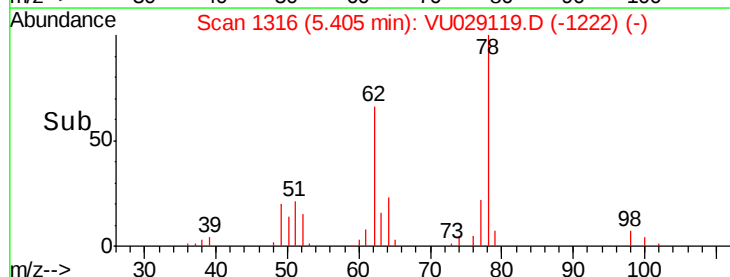
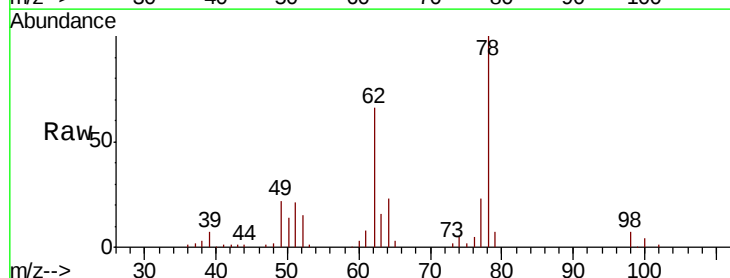
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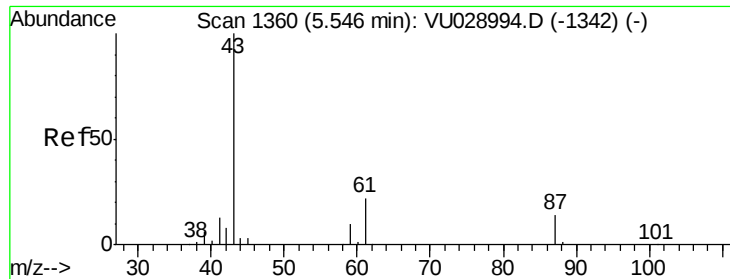
MMDadoda
1/11/2019 10:03:47 AM



#42
1,2-Dichloroethane
Concen: 20.763 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.6





#43

Isopropyl Acetate

Concen: 20.805 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Instrument :

MSVOA_U

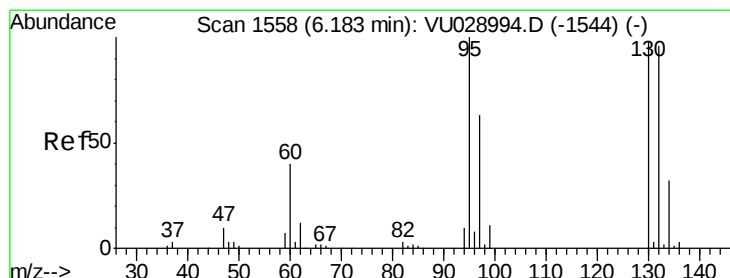
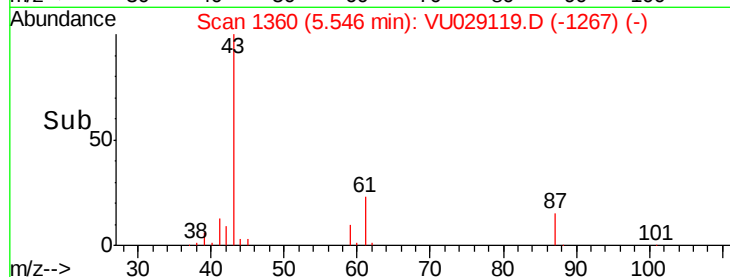
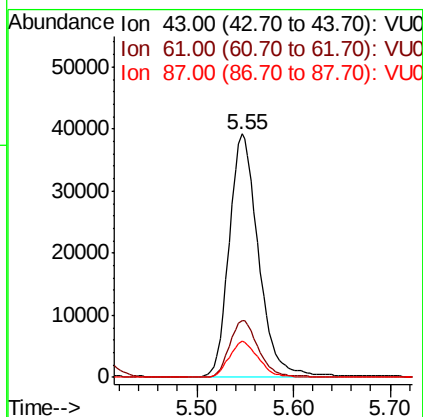
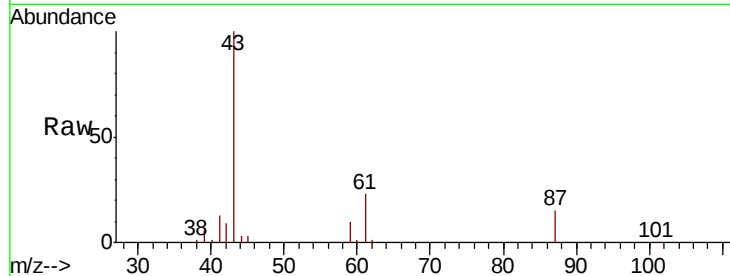
ClientSampleId :

VU0110MBS01

Tgt Ion:	43	Resp:	82742
Ion	Ratio	Lower	Upper
43	100		
61	22.9	17.8	26.6
87	14.6	11.3	16.9

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#44

Trichloroethene

Concen: 18.717 ug/l

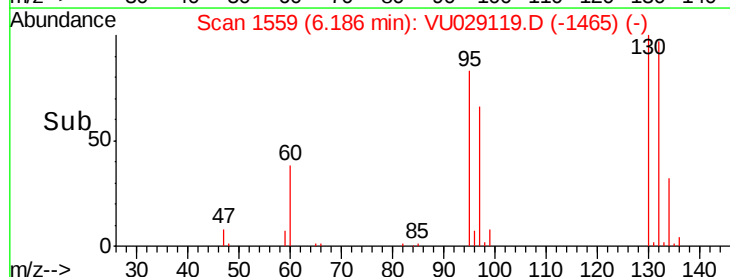
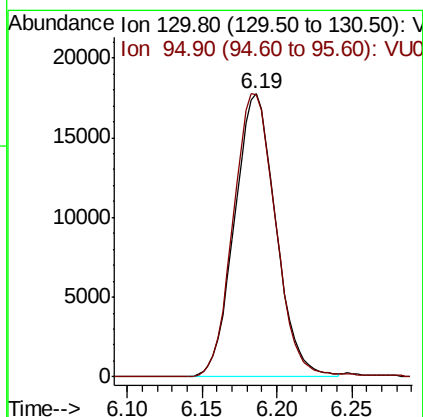
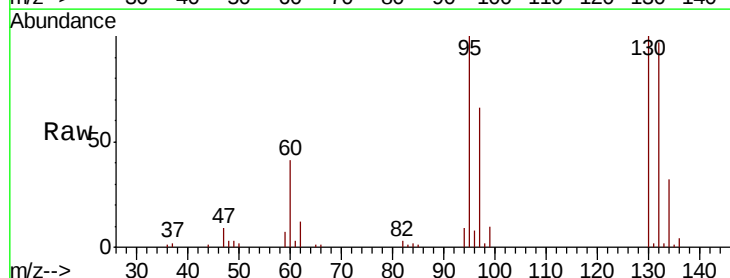
RT: 6.19 min Scan# 1559

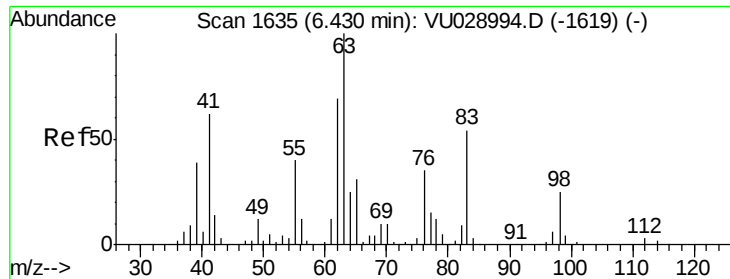
Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Tgt Ion:	130	Resp:	34167
Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	205.0





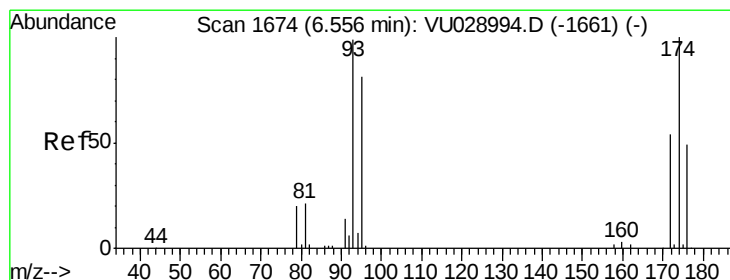
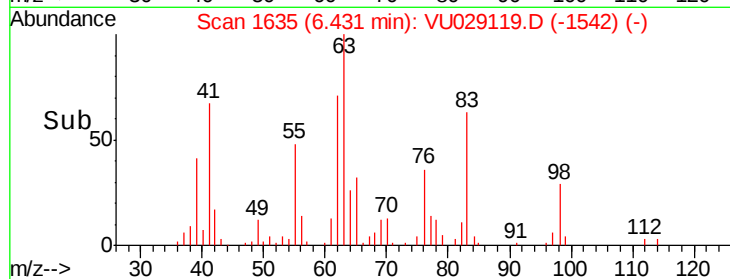
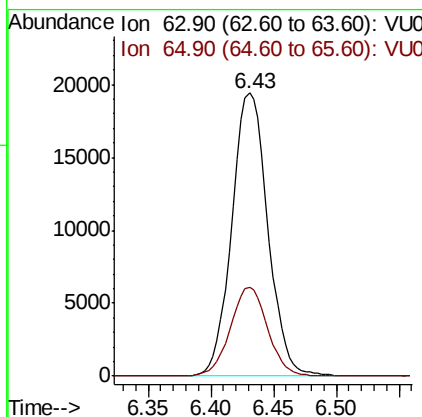
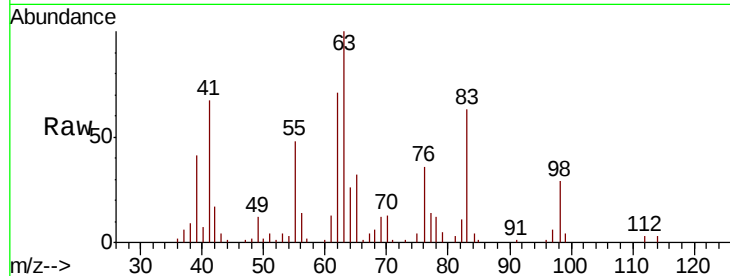
#45
 1,2-Dichloropropane
 Concen: 19.955 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU029119.D
 Acq: 10 Jan 2019 15:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBSD01

Tgt Ion: 63 Resp: 38825
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.1 37.7

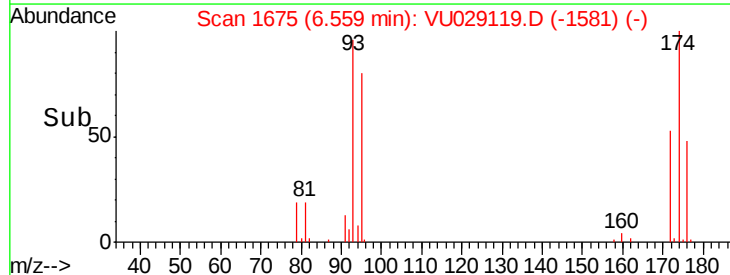
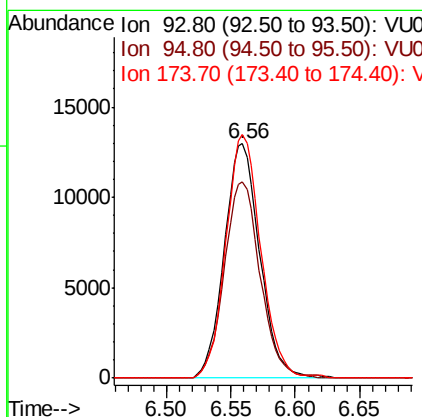
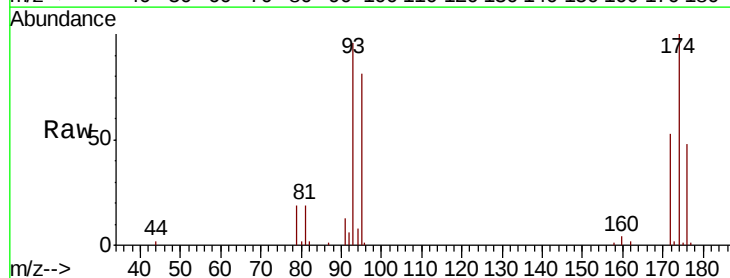
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#46
 Dibromomethane
 Concen: 19.937 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: VU029119.D
 Acq: 10 Jan 2019 15:28

Tgt Ion: 93 Resp: 24796
 Ion Ratio Lower Upper
 93 100
 95 84.6 67.2 100.8
 174 102.6 82.6 123.8





#47

Bromodichloromethane

Concen: 19.740 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Instrument :

MSVOA_U

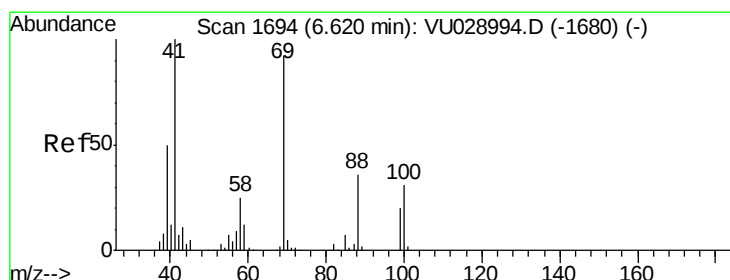
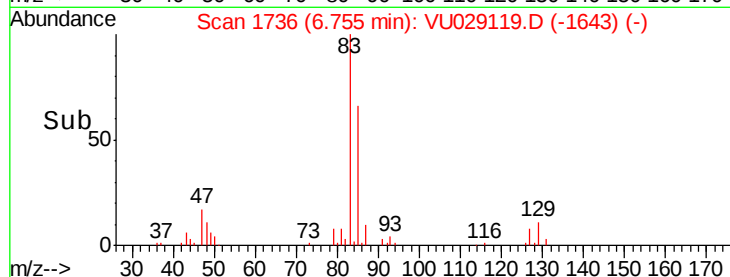
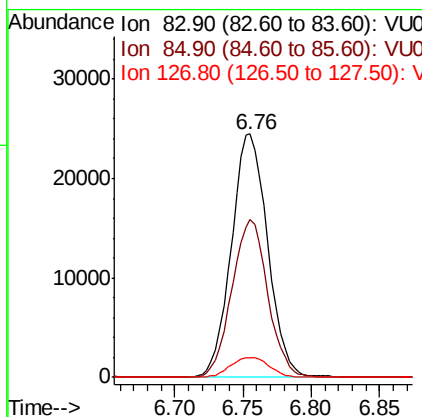
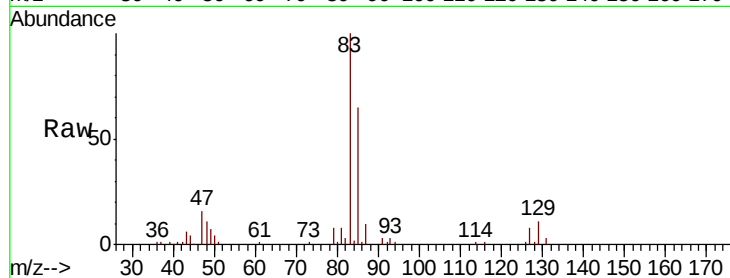
ClientSampleId :

VU0110MBSD01

Tgt Ion:	83	Resp:	45204
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.4	77.2
127	8.0	7.0	10.4

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#48

Methyl methacrylate

Concen: 20.862 ug/l

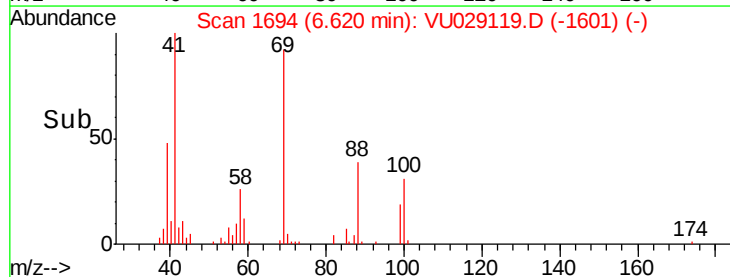
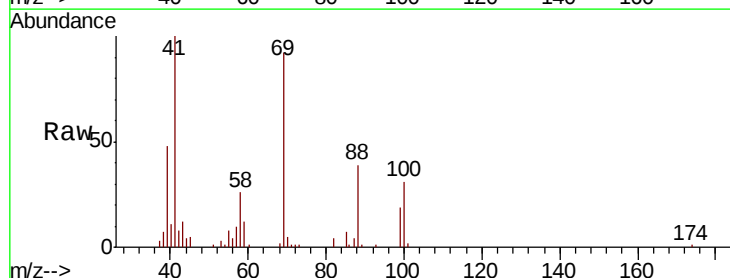
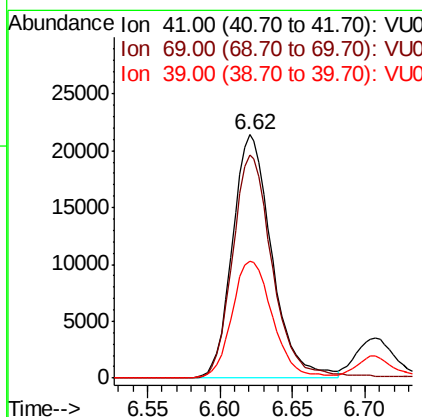
RT: 6.62 min Scan# 1694

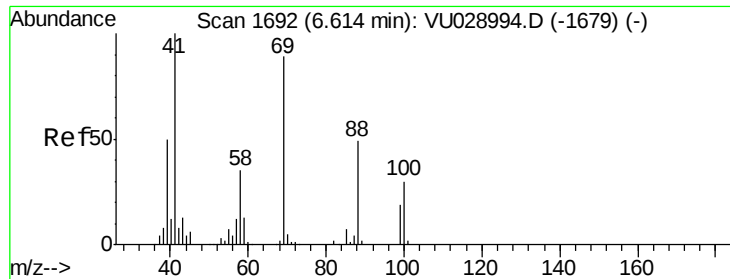
Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Tgt Ion:	41	Resp:	40399
Ion	Ratio	Lower	Upper
41	100		
69	93.4	73.6	110.4
39	49.5	39.6	59.4





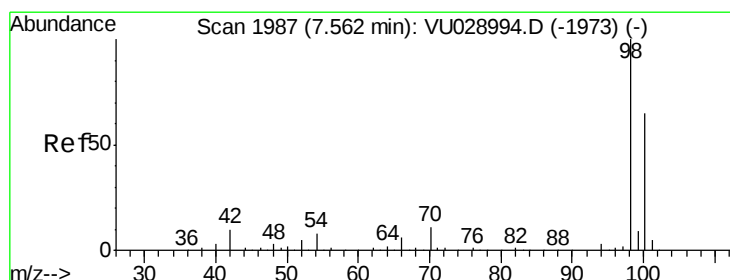
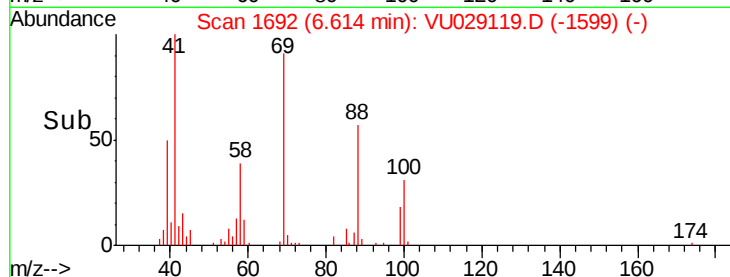
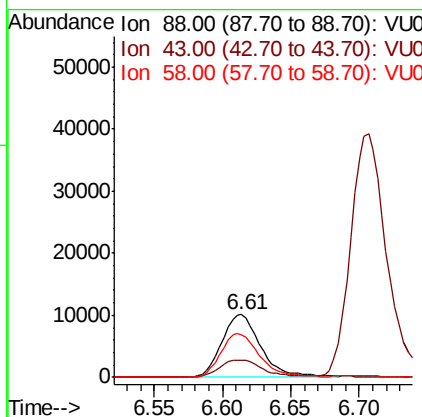
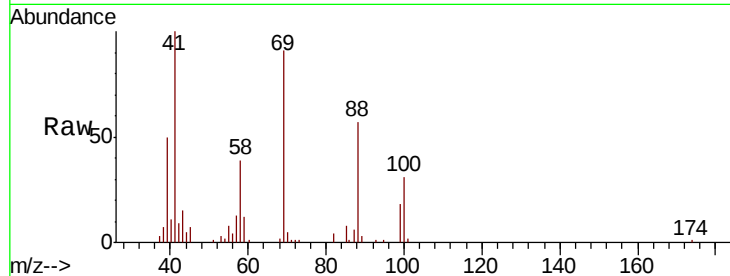
#49
1,4-Dioxane
Concen: 437.091 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.8	23.0	34.4
58	69.7	57.9	86.9

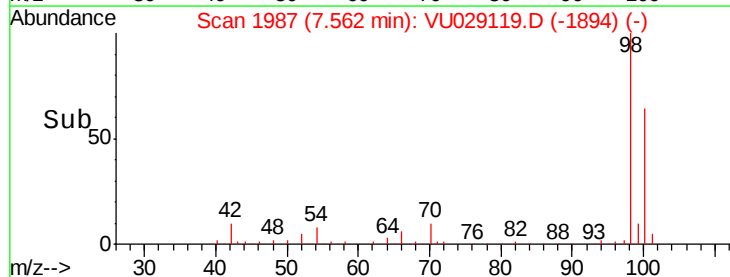
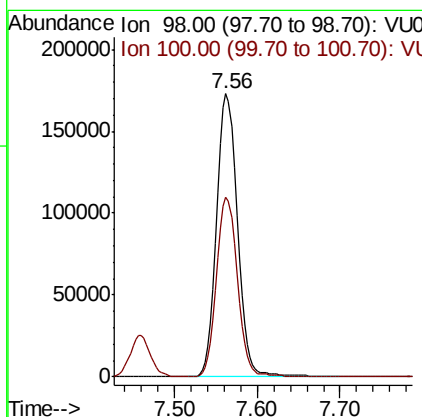
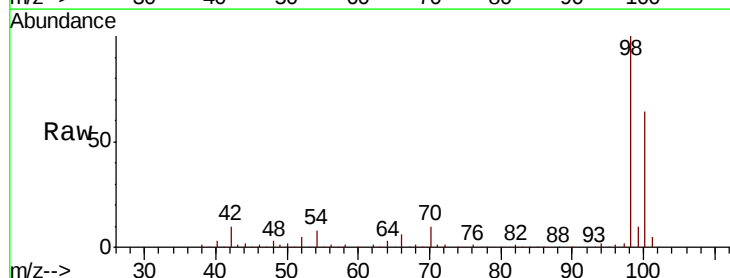
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#50
Toluene-d8
Concen: 50.271 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.7	51.6	77.4





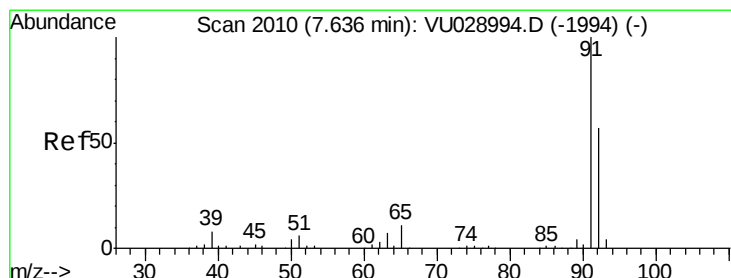
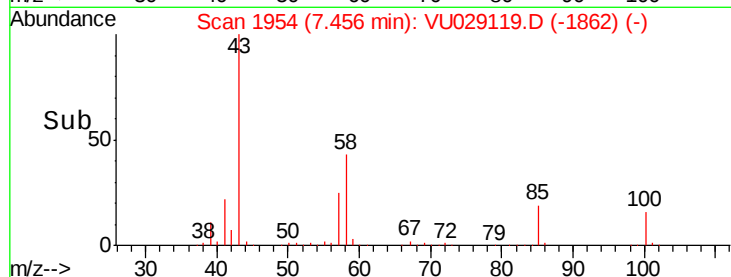
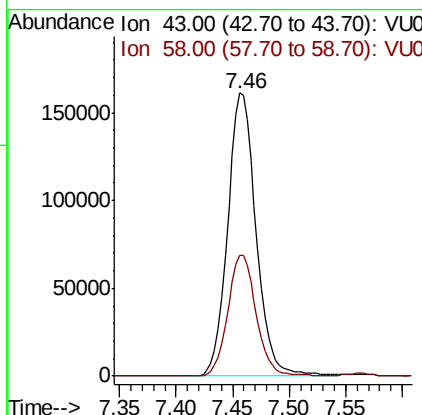
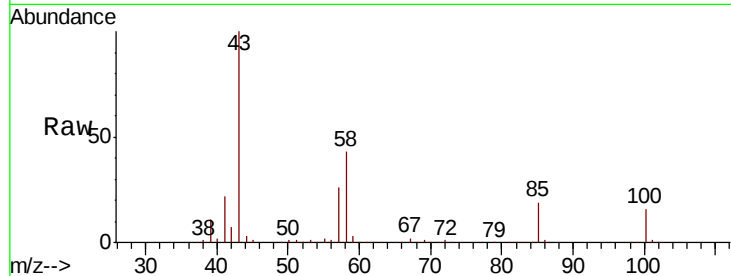
#51
4-Methyl-2-Pentanone
Concen: 104.085 ug/l
RT: 7.46 min Scan# 1954
Delta R.T. -0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Instrument :
MSVOA_U
ClientSampled :
VU0110MBSD01

Tgt Ion: 43 Resp: 281713
Ion Ratio Lower Upper
43 100
58 42.7 33.9 50.9

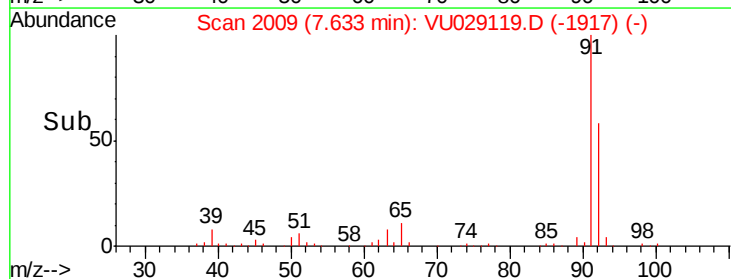
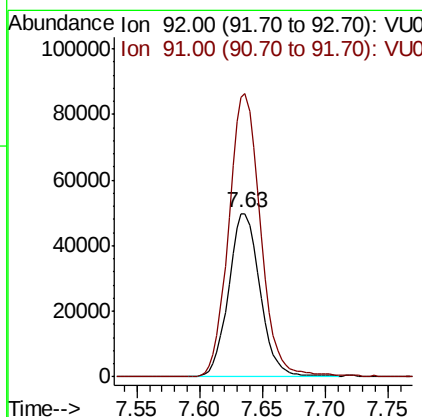
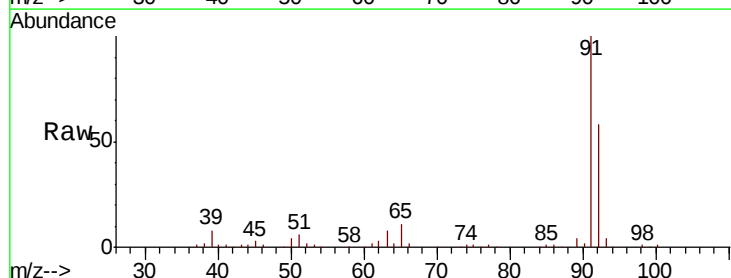
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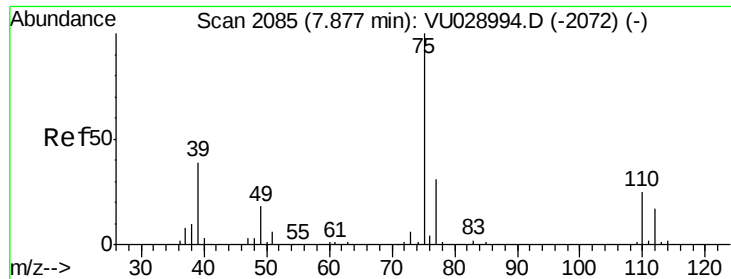
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#52
Toluene
Concen: 19.438 ug/l
RT: 7.63 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Tgt Ion: 92 Resp: 87182
Ion Ratio Lower Upper
92 100
91 175.0 139.8 209.8





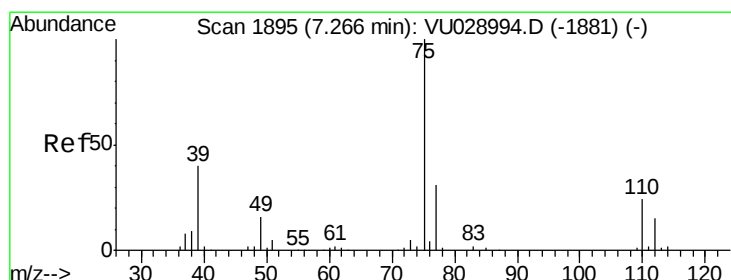
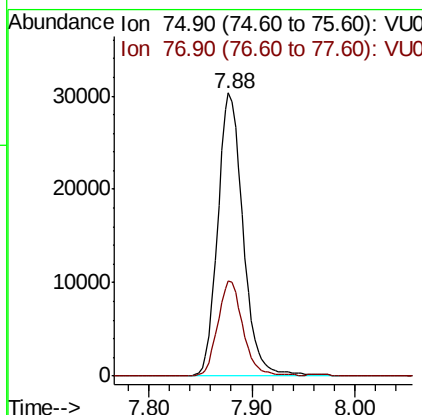
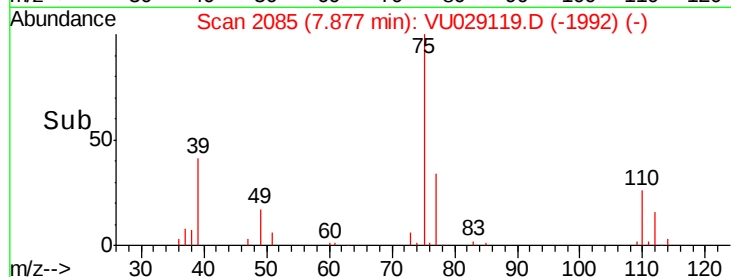
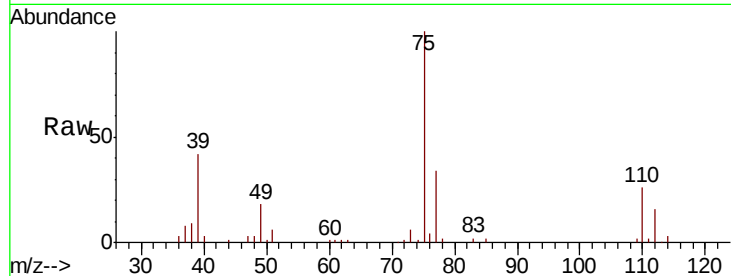
#53
 t-1,3-Dichloropropene
 Concen: 18.900 ug/l
 RT: 7.88 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VU029119.D
 Acq: 10 Jan 2019 15:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBSD01

Tgt Ion: 75 Resp: 51991
 Ion Ratio Lower Upper
 75 100
 77 33.7 25.0 37.4

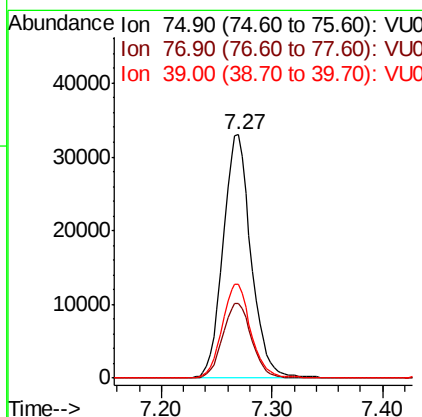
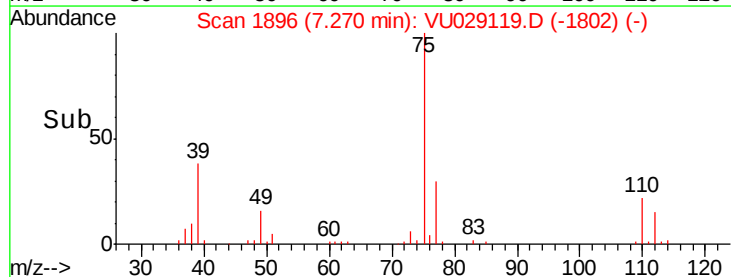
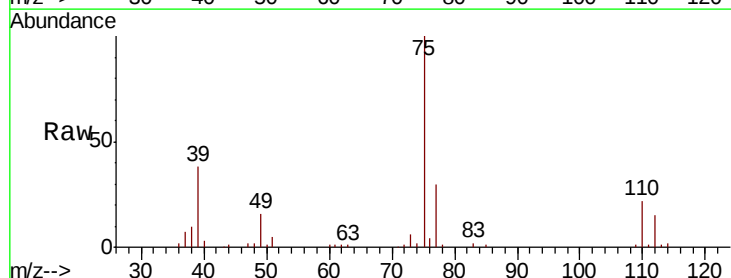
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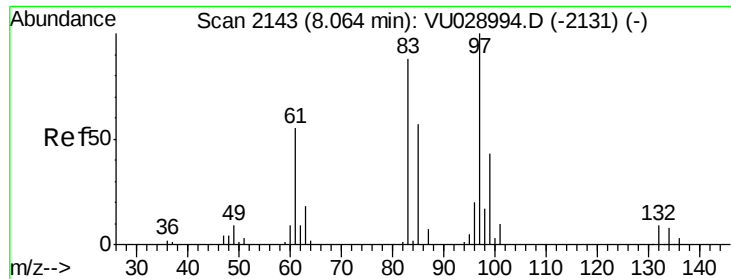
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#54
 cis-1,3-Dichloropropene
 Concen: 19.553 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU029119.D
 Acq: 10 Jan 2019 15:28

Tgt Ion: 75 Resp: 58121
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.0 37.6
 39 38.3 32.2 48.4





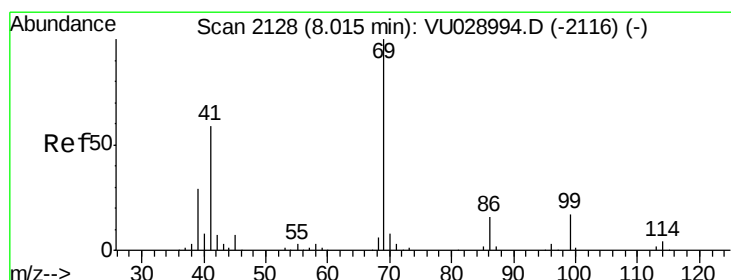
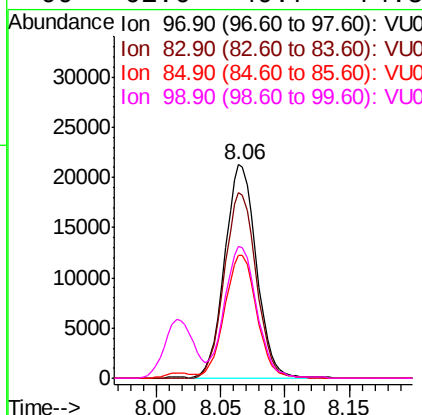
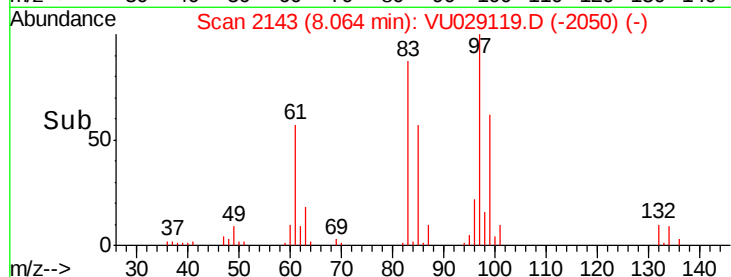
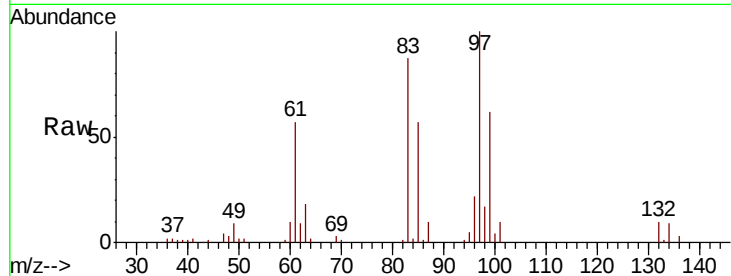
#55
 1,1,2-Trichloroethane
 Concen: 20.253 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029119.D
 Acq: 10 Jan 2019 15:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBSD01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.8	104.8
85	57.4	47.3	70.9
99	61.6	49.7	74.5

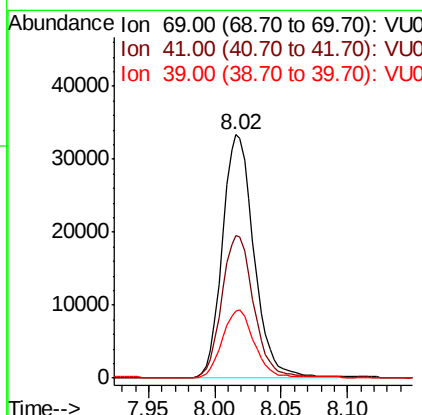
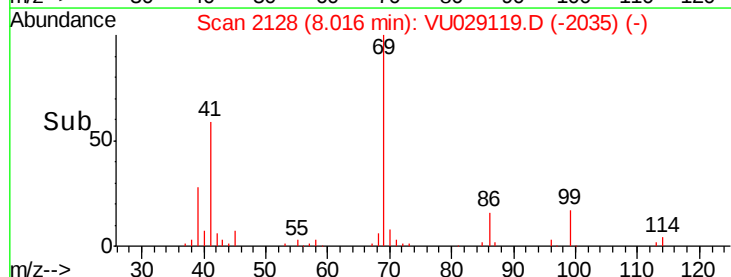
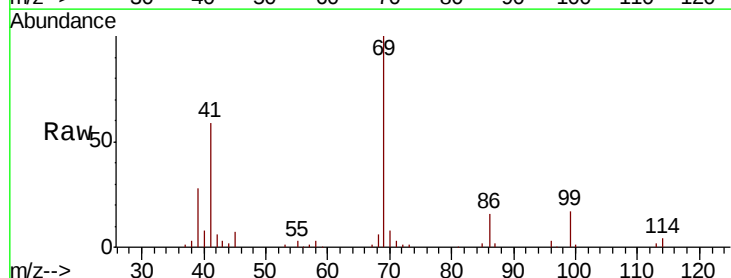
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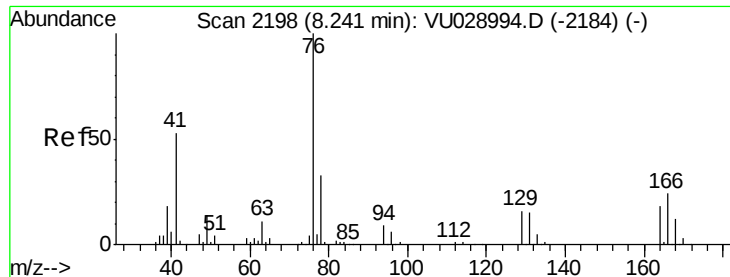
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#56
 Ethyl methacrylate
 Concen: 20.025 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029119.D
 Acq: 10 Jan 2019 15:28

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.7	47.5	71.3
39	29.1	22.5	33.7





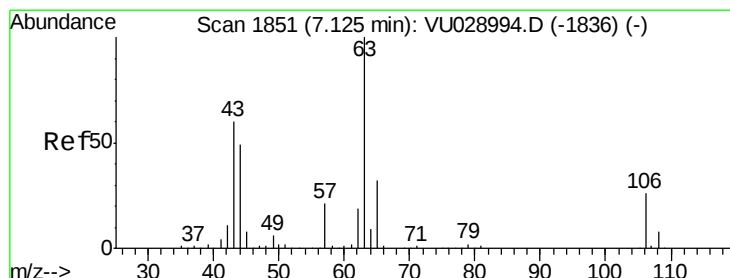
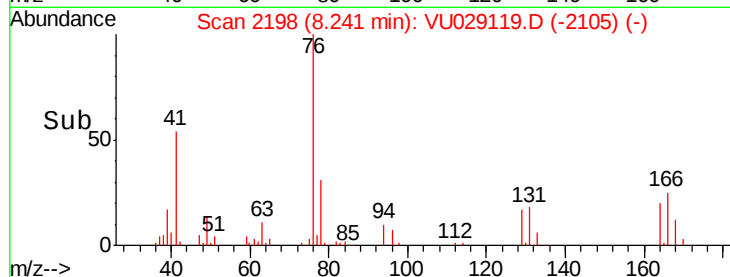
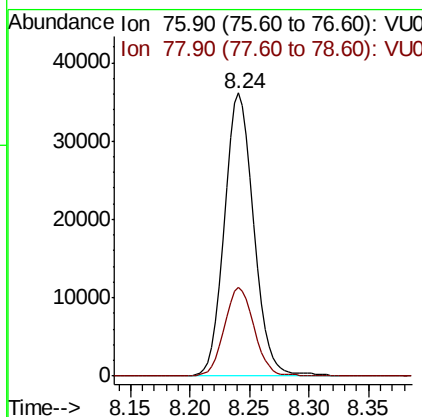
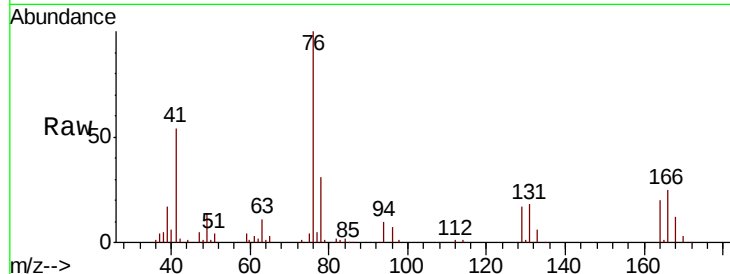
#57
 1,3-Dichloropropane
 Concen: 20.109 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU029119.D
 Acq: 10 Jan 2019 15:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBSD01

Tgt Ion: 76 Resp: 61825
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.0 39.0

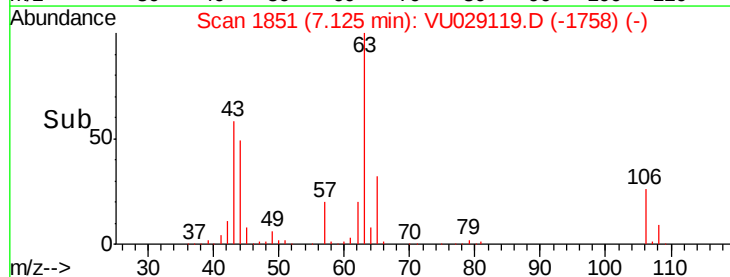
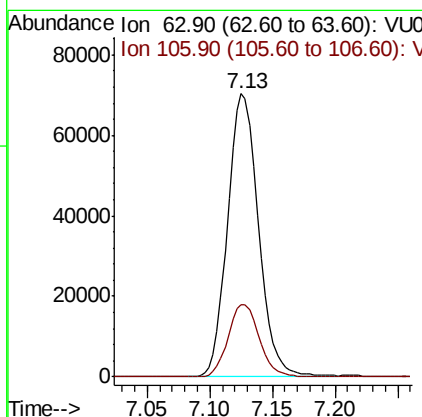
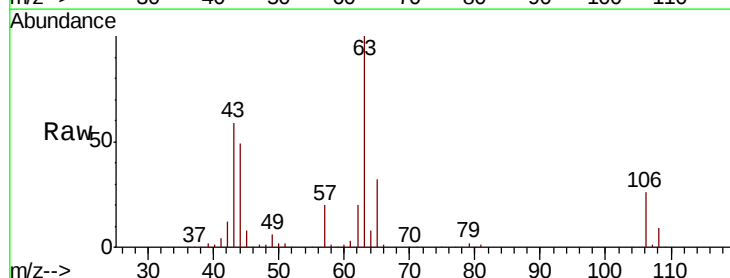
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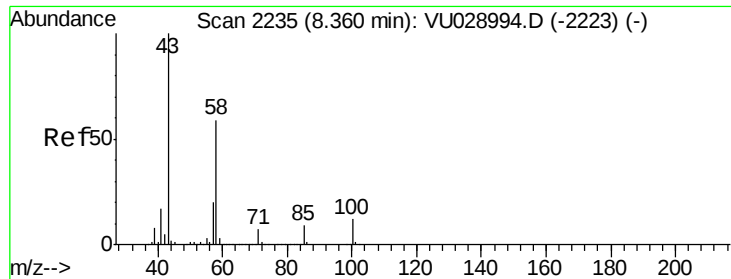
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#58
 2-Chloroethyl Vinyl ether
 Concen: 98.957 ug/l
 RT: 7.13 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU029119.D
 Acq: 10 Jan 2019 15:28

Tgt Ion: 63 Resp: 120469
 Ion Ratio Lower Upper
 63 100
 106 25.9 20.6 31.0





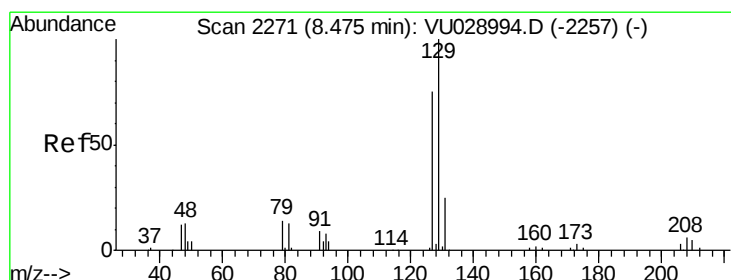
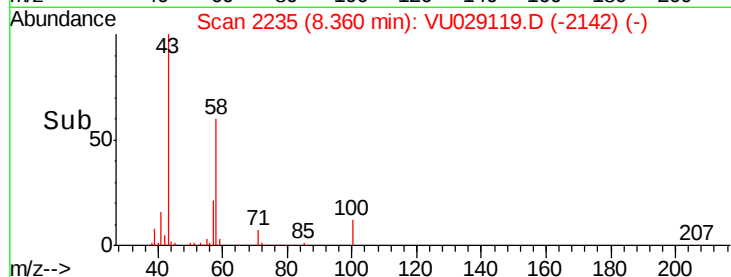
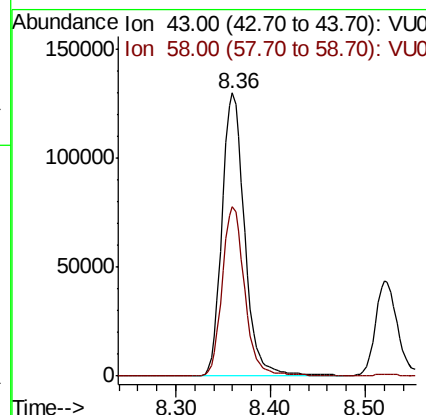
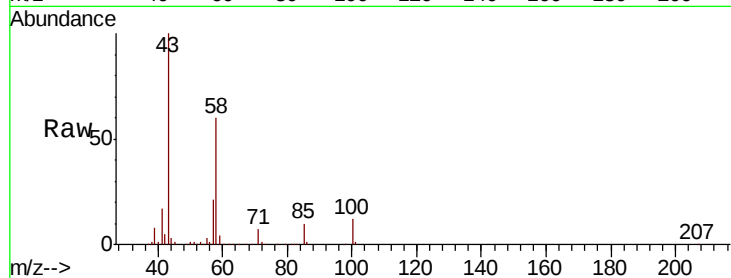
#59
2-Hexanone
Concen: 101.911 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

Tgt Ion: 43 Resp: 216516
Ion Ratio Lower Upper
43 100
58 59.4 29.8 89.4

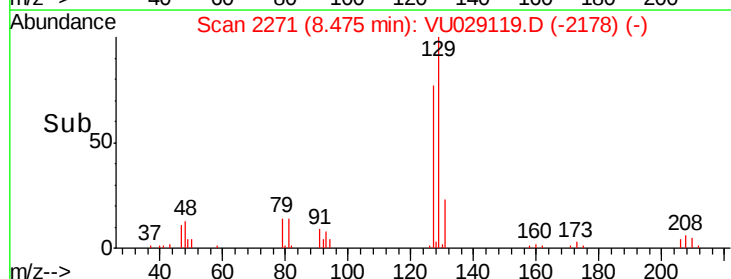
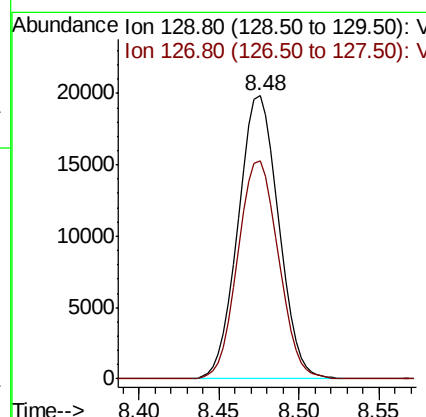
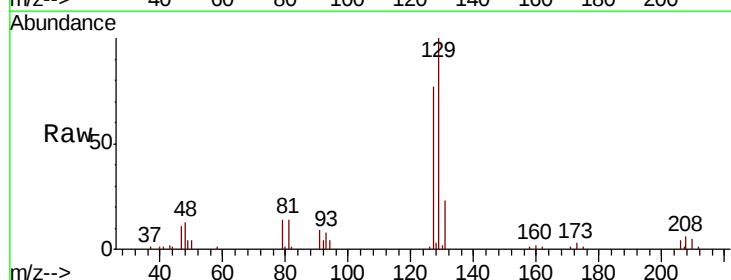
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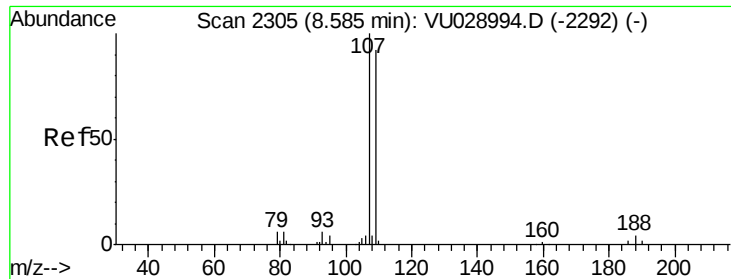
MMDadoda
1/11/2019 10:03:47 AM



#60
Dibromochloromethane
Concen: 19.271 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Tgt Ion: 129 Resp: 34305
Ion Ratio Lower Upper
129 100
127 77.2 38.0 114.0





#61

1,2-Dibromoethane

Concen: 19.884 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBSD01

Tgt Ion: 107 Resp: 38748

Ion Ratio Lower Upper

107 100

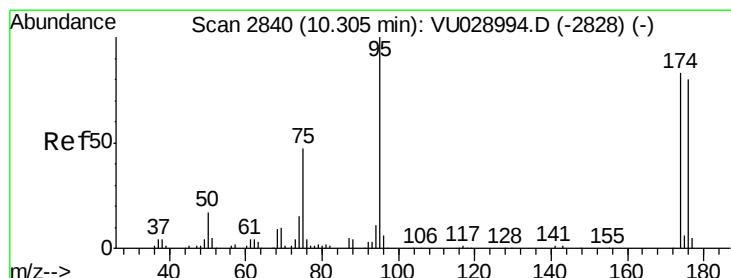
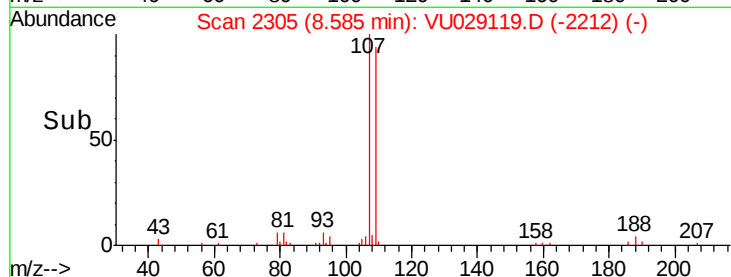
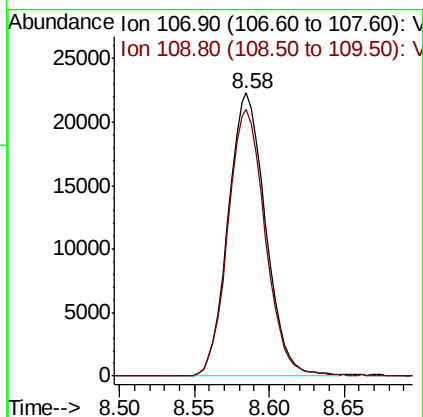
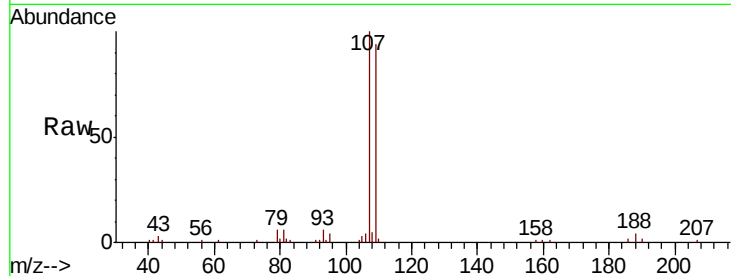
109 94.2 75.5 113.3

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#62

4-Bromofluorobenzene

Concen: 47.849 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

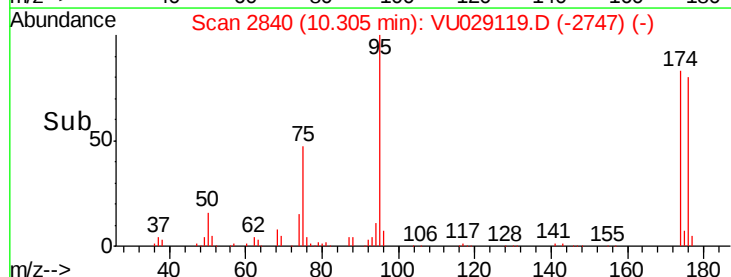
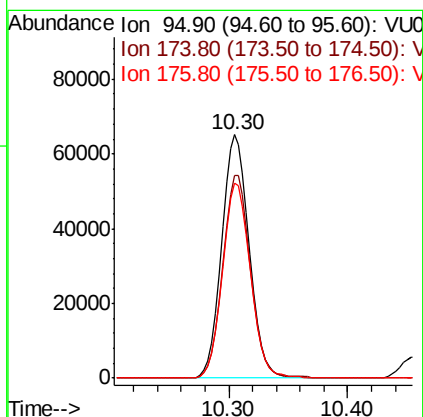
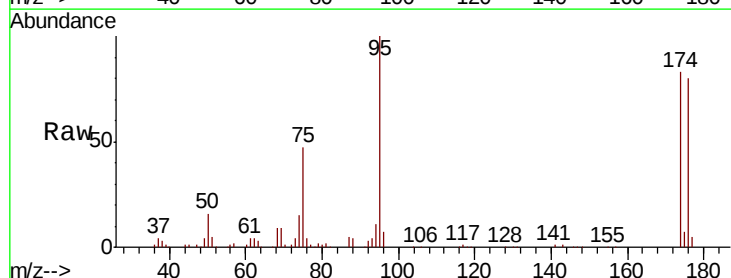
Tgt Ion: 95 Resp: 103987

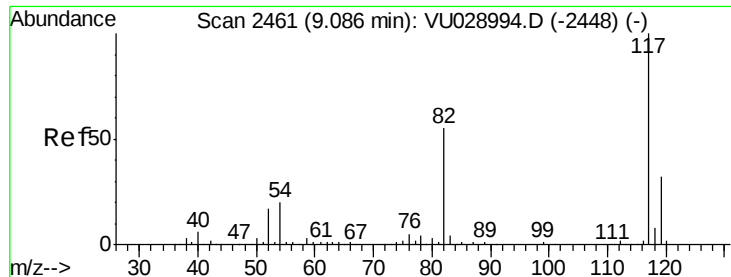
Ion Ratio Lower Upper

95 100

174 84.2 0.0 170.6

176 81.6 0.0 165.0





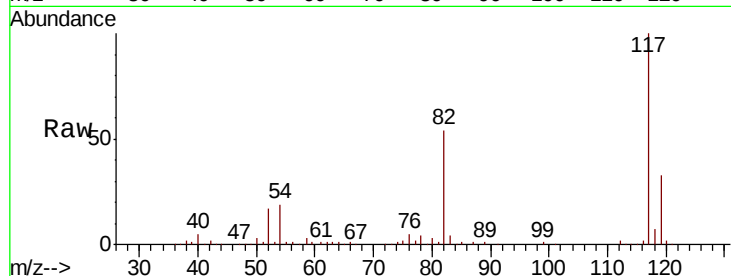
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	21531		
82	53.9	43.9	65.9	
119	32.6	26.0	39.0	

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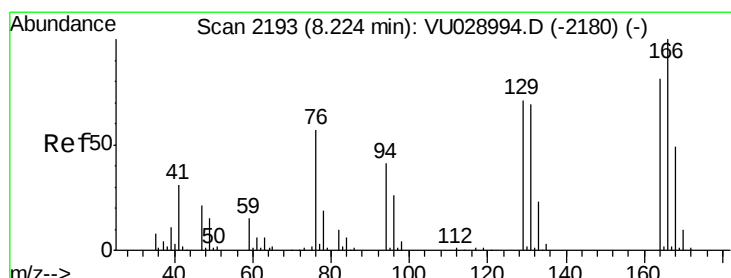
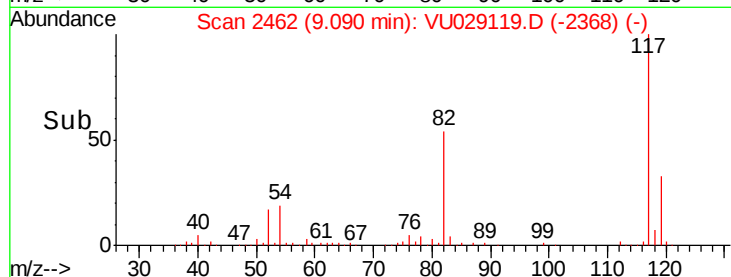
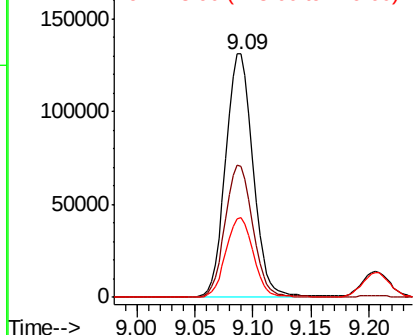


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.635 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	30485		
166	129.2	99.4	149.0	
129	92.8	70.5	105.7	
131	88.8	69.0	103.6	

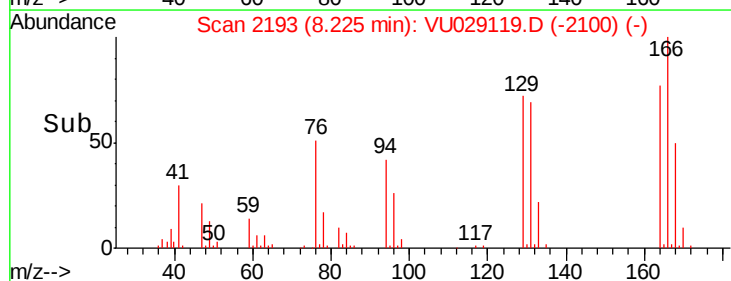
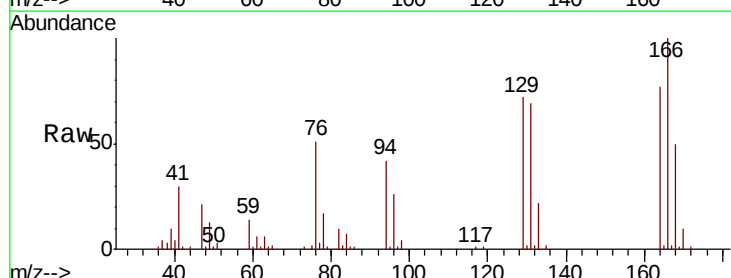
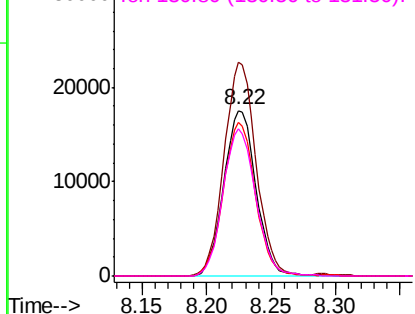
Abundance

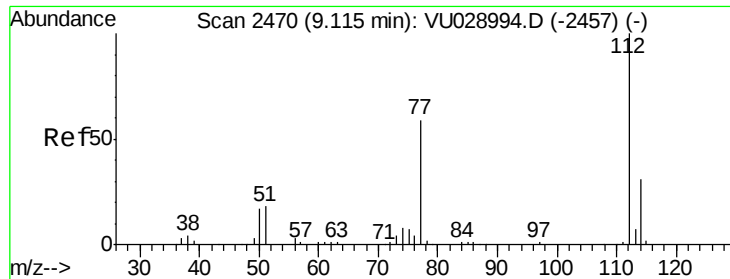
Ion 163.80 (163.50 to 164.50): V

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





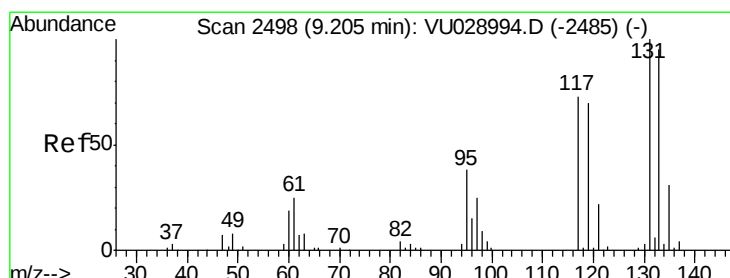
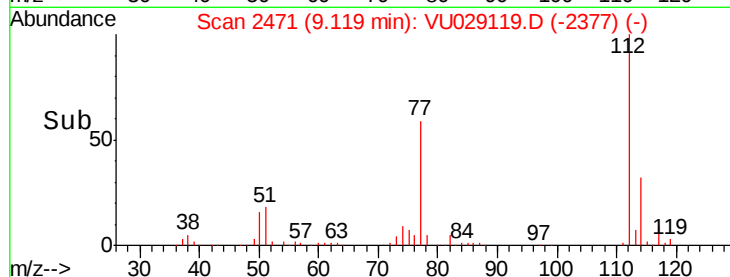
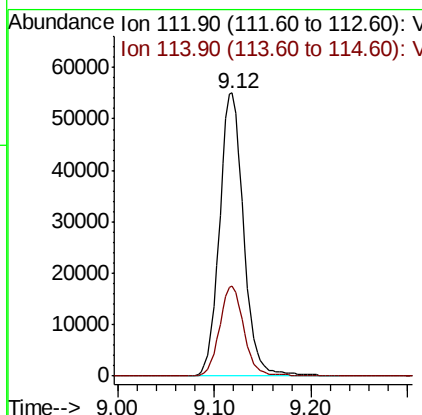
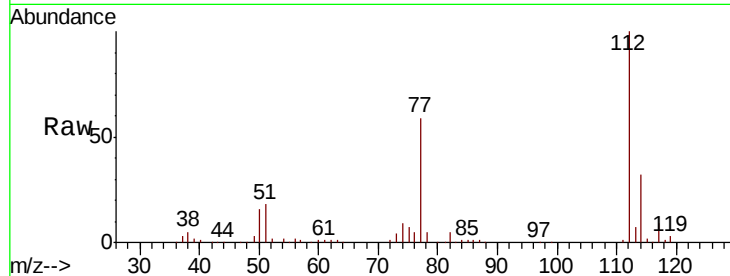
#65
Chlorobenzene
Concen: 19.708 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBSD01

Tgt Ion:112 Resp: 95211
Ion Ratio Lower Upper
112 100
114 31.8 25.0 37.6

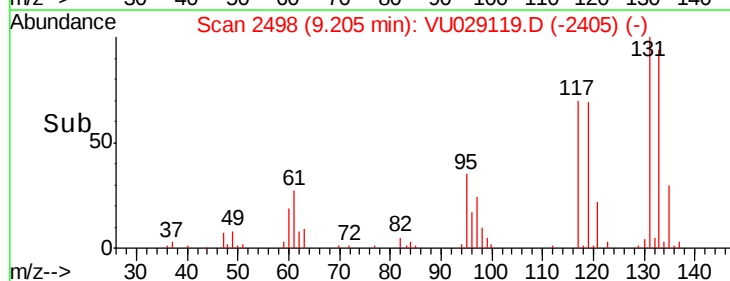
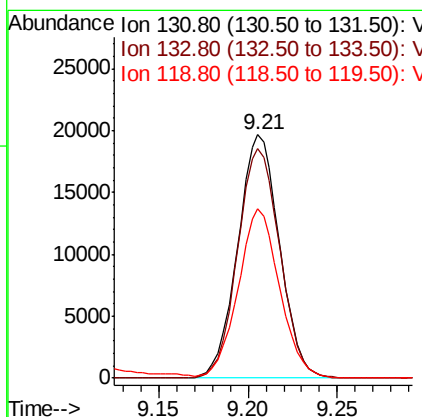
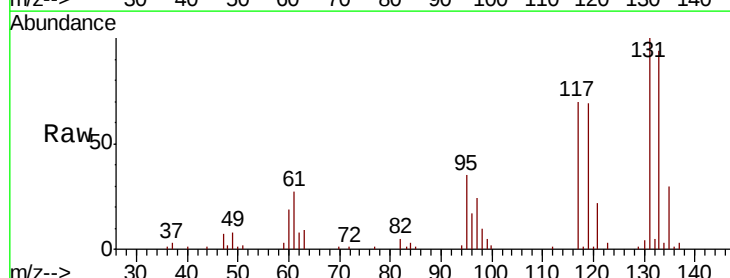
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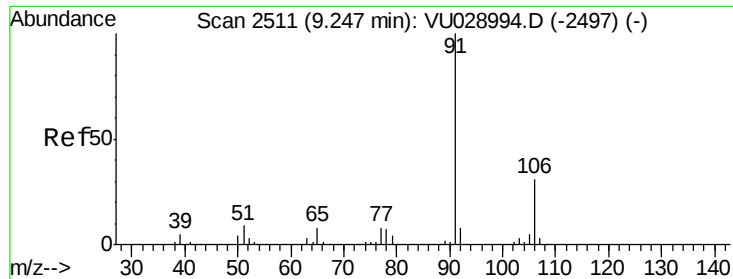
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.500 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Tgt Ion:131 Resp: 32141
Ion Ratio Lower Upper
131 100
133 95.4 48.2 144.6
119 69.1 35.4 106.3





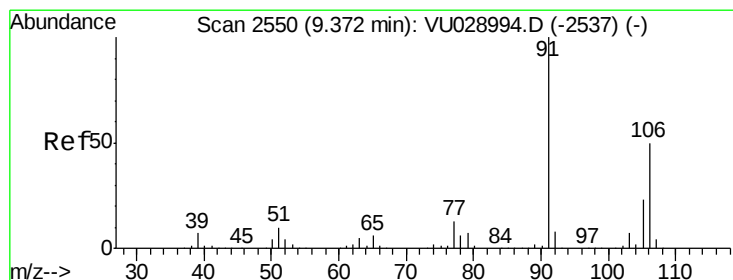
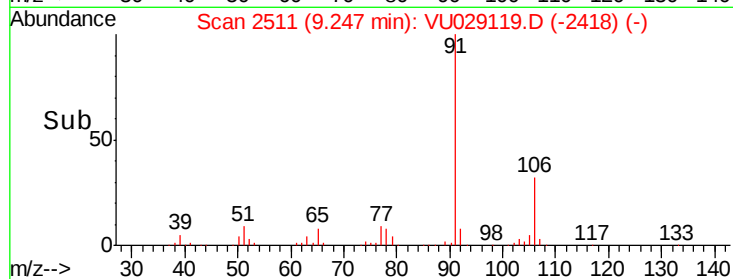
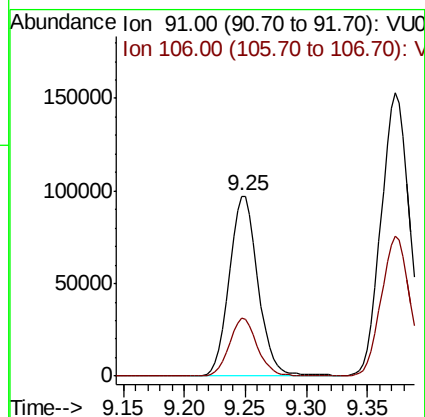
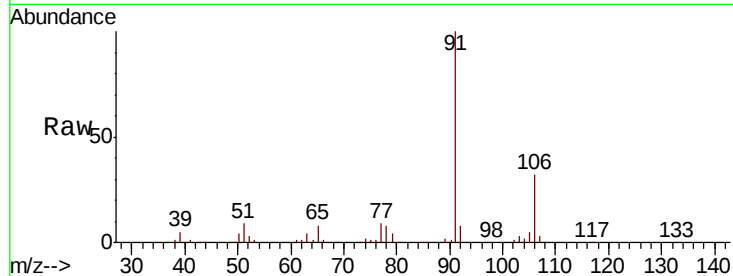
#67
Ethyl Benzene
Concen: 19.986 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBSD01

Tgt Ion: 91 Resp: 161203
Ion Ratio Lower Upper
91 100
106 32.2 25.0 37.4

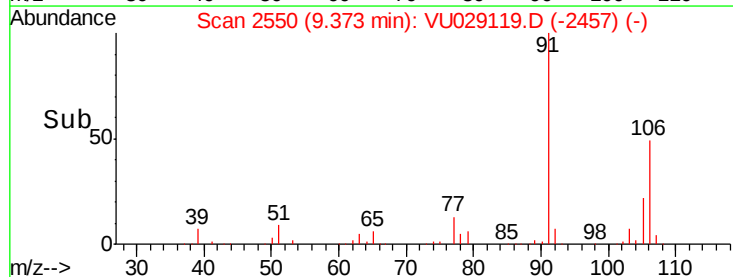
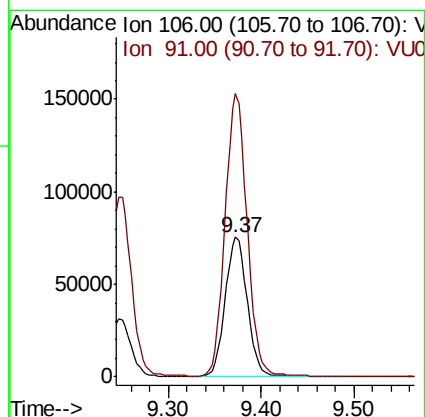
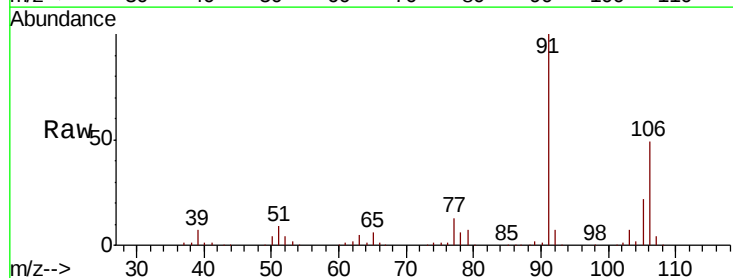
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#68
m/p-Xylenes
Concen: 40.074 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Tgt Ion: 106 Resp: 125594
Ion Ratio Lower Upper
106 100
91 202.0 161.7 242.5





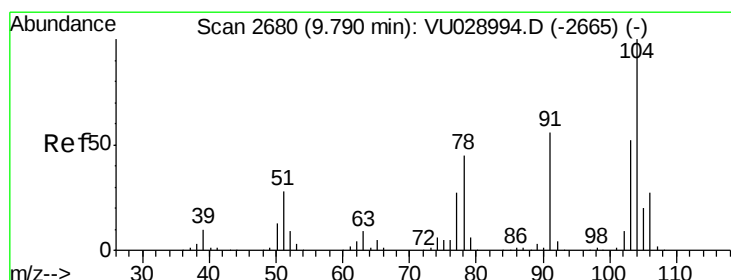
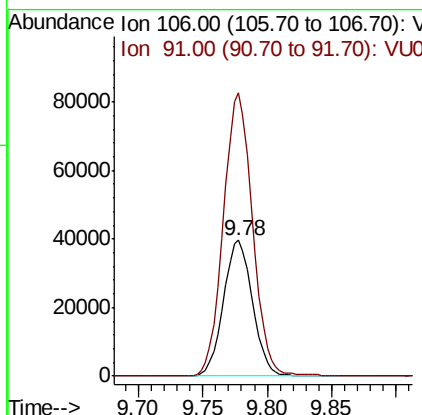
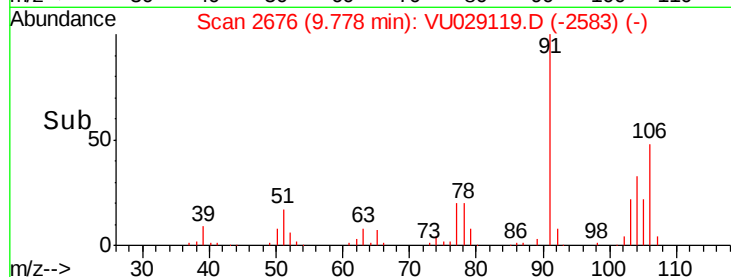
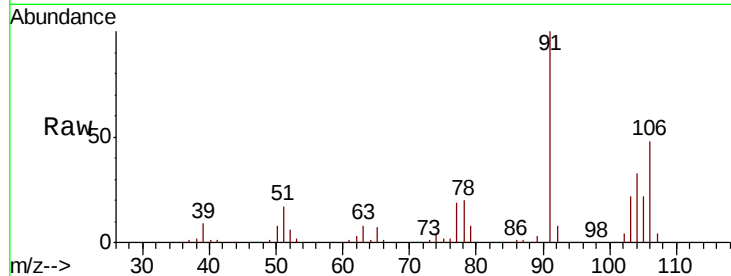
#69
o-Xylene
Concen: 20.552 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBSD01

Tgt Ion:106 Resp: 62061
Ion Ratio Lower Upper
106 100
91 208.9 106.1 318.3

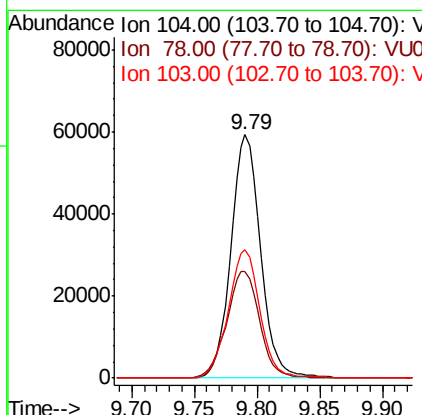
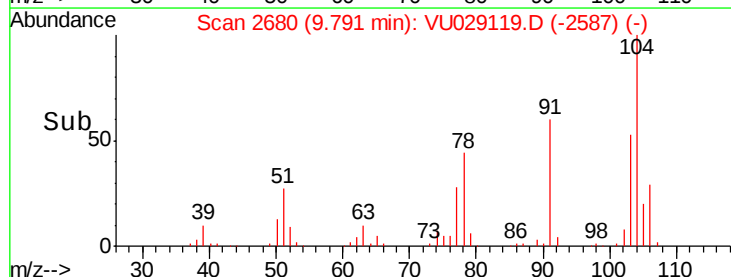
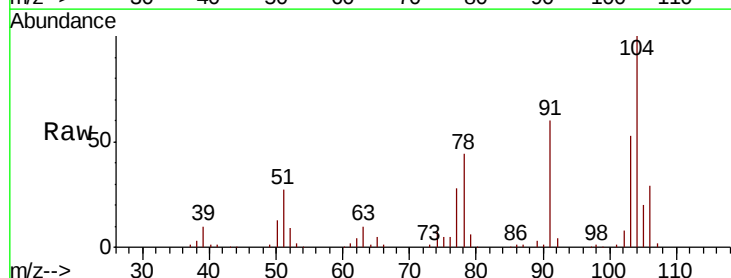
Manual Integrations
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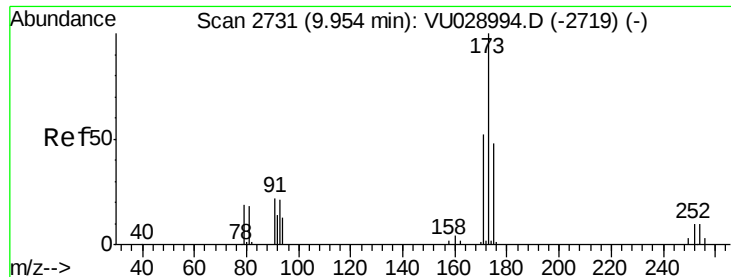
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1/11/2019 10:03:47 AM



#70
Styrene
Concen: 19.690 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Tgt Ion:104 Resp: 97473
Ion Ratio Lower Upper
104 100
78 48.7 38.6 58.0
103 55.8 44.5 66.7





#71

Bromoform

Concen: 19.081 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Instrument :

MSVOA_U

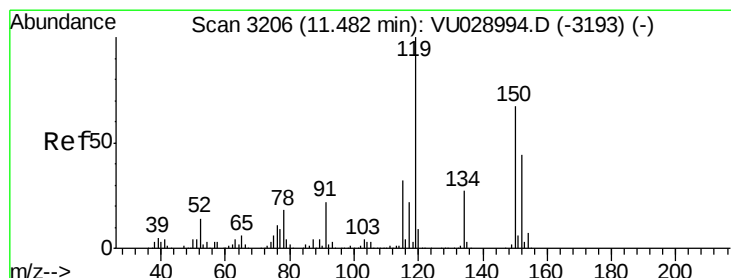
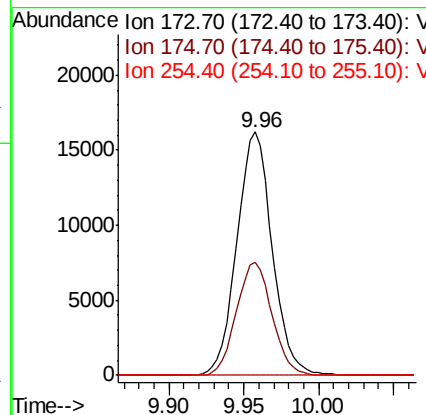
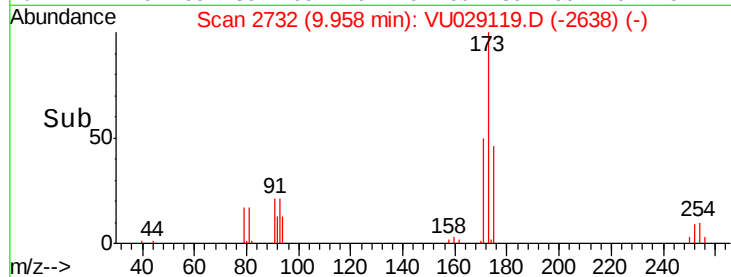
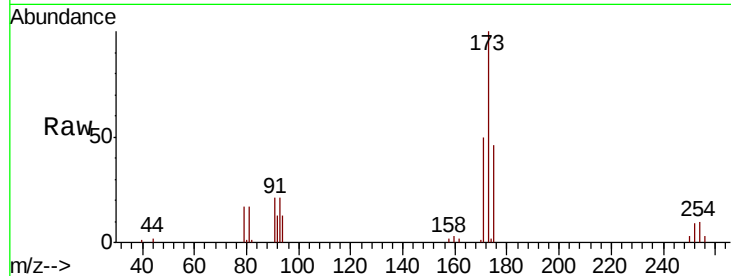
ClientSampleId :

VU0110MBSD01

Tgt Ion:	173	Resp:	26637
Ion Ratio	Lower	Upper	
173	100		
175	46.6	23.8	71.2
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

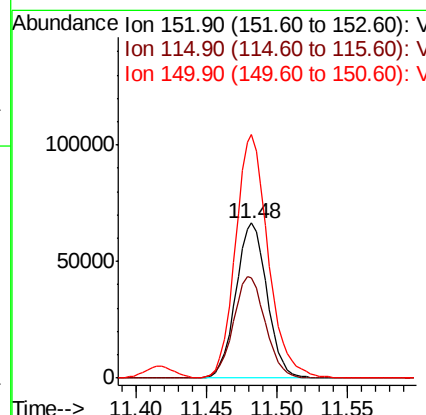
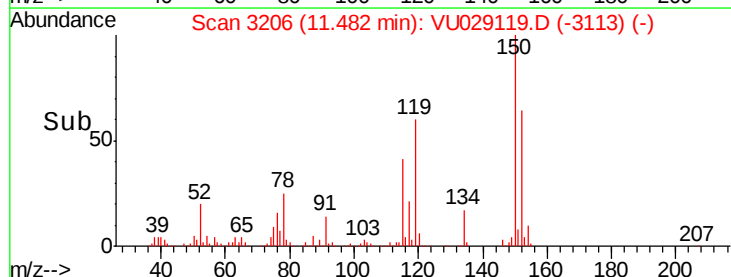
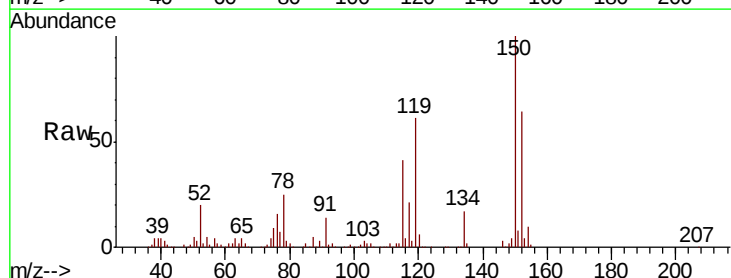
RT: 11.48 min Scan# 3206

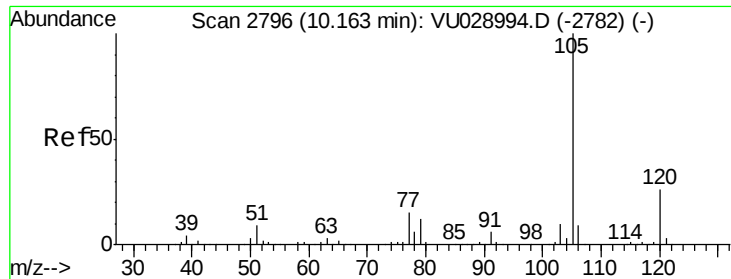
Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Tgt Ion:	152	Resp:	103155
Ion Ratio	Lower	Upper	
152	100		
115	67.0	40.1	120.3
150	163.8	0.0	345.2





#73

Isopropylbenzene

Concen: 20.649 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBSD01

Tgt Ion: 105 Resp: 157657

Ion Ratio Lower Upper

105 100

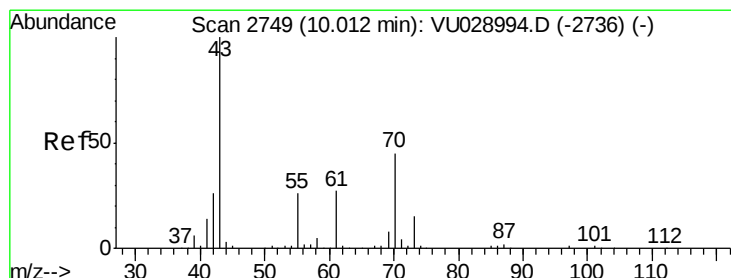
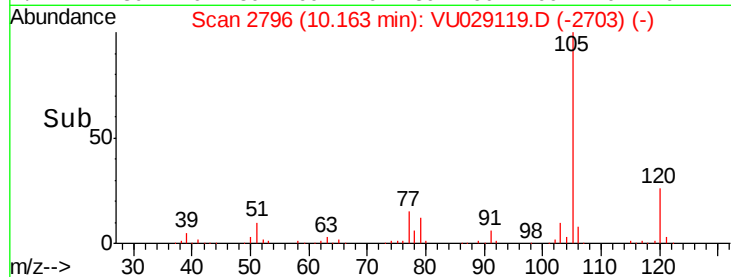
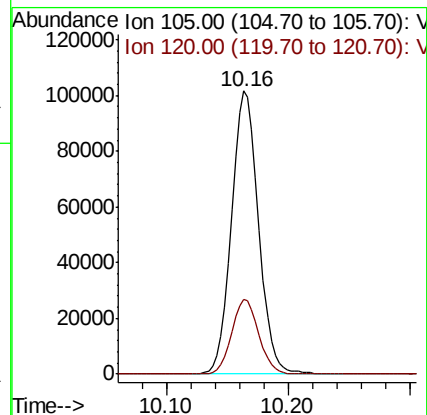
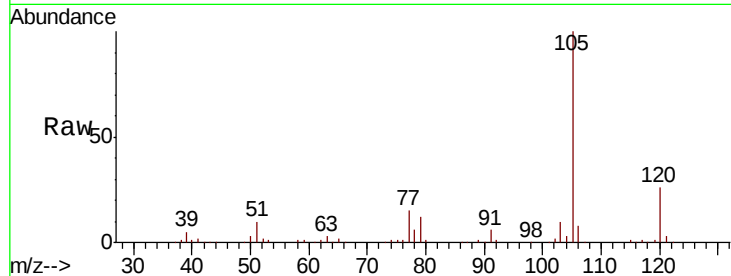
120 26.6 13.2 39.5

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#74

N-ethyl acetate

Concen: 20.496 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Tgt Ion: 43 Resp: 67434

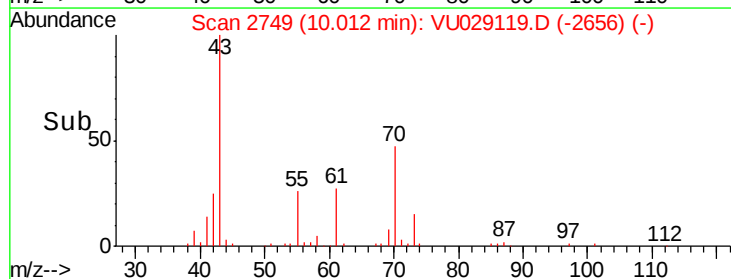
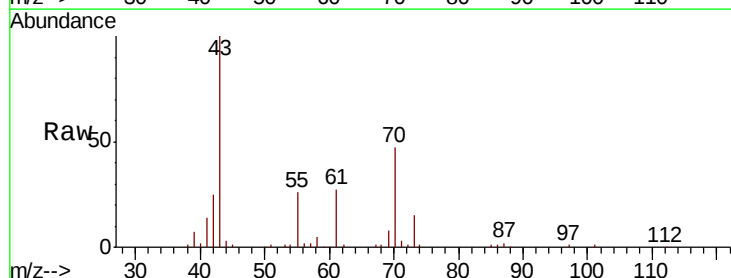
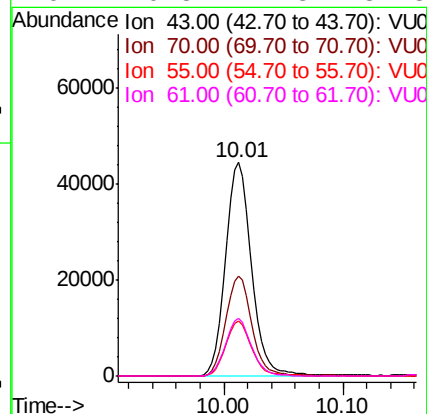
Ion Ratio Lower Upper

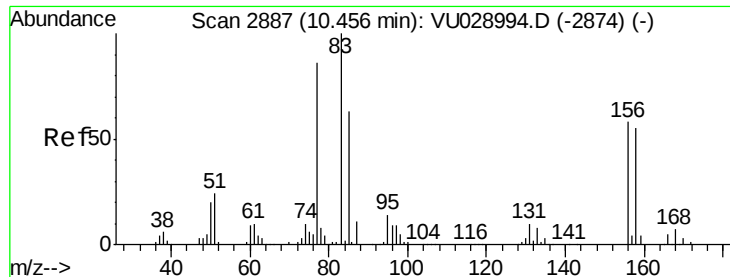
43 100

70 46.7 36.3 54.5

55 25.6 20.5 30.7

61 26.8 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.230 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBSD01

Tgt Ion: 83 Resp: 61907
Ion Ratio Lower Upper

83 100

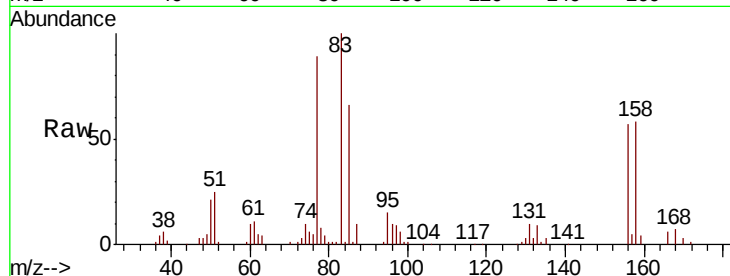
131 9.2 4.7 14.1

85 65.5 32.0 96.2

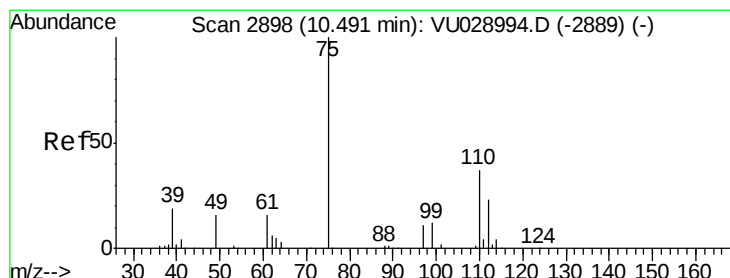
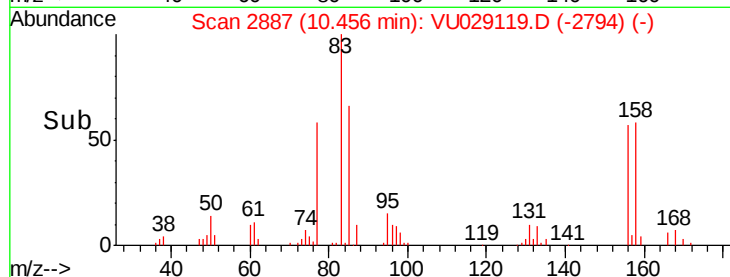
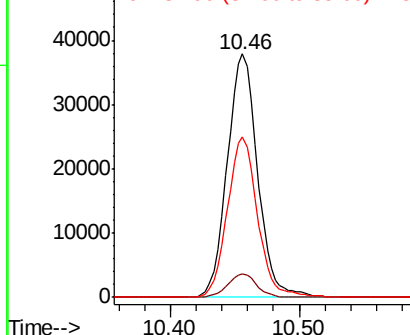
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Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 21.393 ug/l m

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

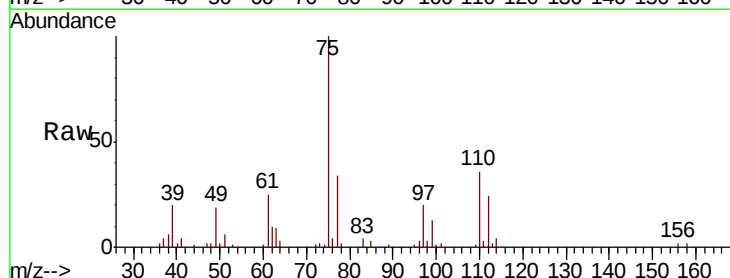
Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

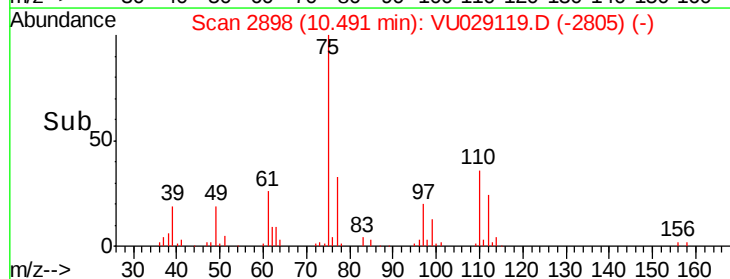
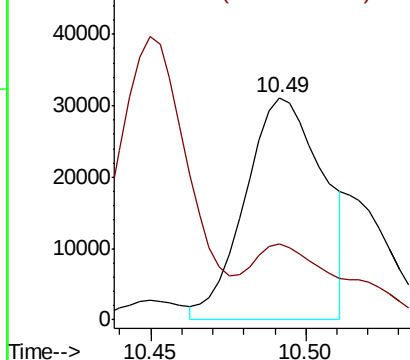
Tgt Ion: 75 Resp: 54070
Ion Ratio Lower Upper

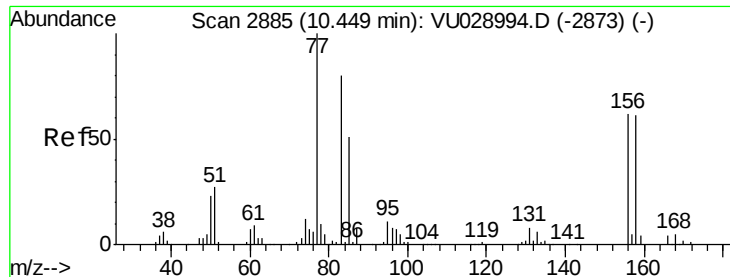
75 100

77 41.7 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 20.251 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Instrument :

MSVOA_U

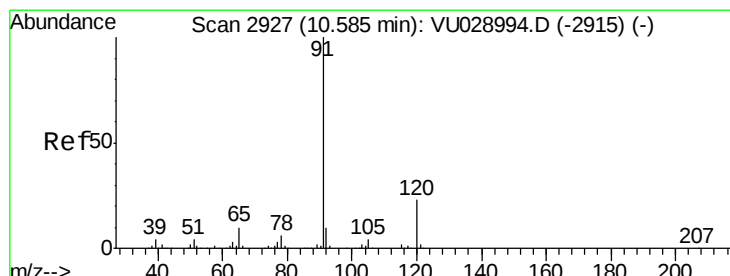
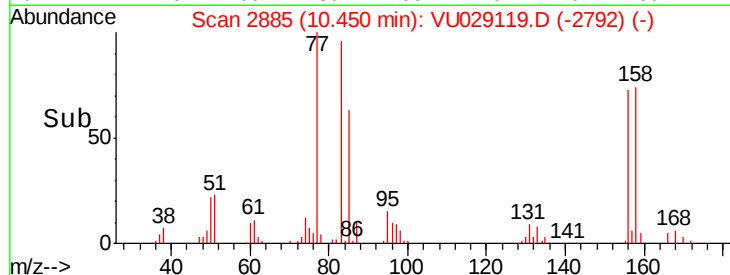
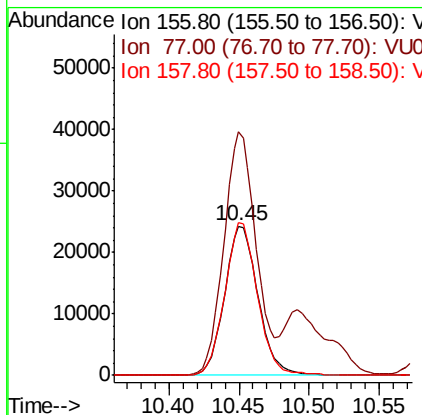
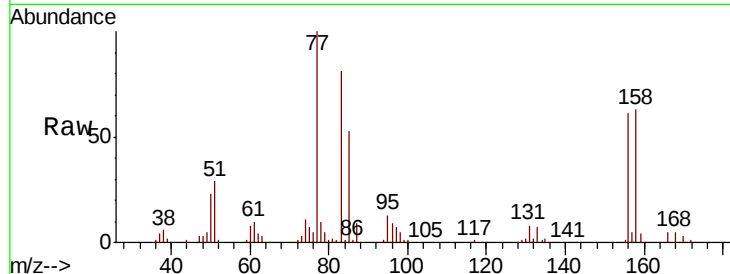
ClientSampleId :

VU0110MBSD01

Tgt Ion:156 Resp: 40294
 Ion Ratio Lower Upper
 156 100
 77 156.4 79.0 237.2
 158 99.8 48.9 146.6

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#78

n-propylbenzene

Concen: 20.595 ug/l

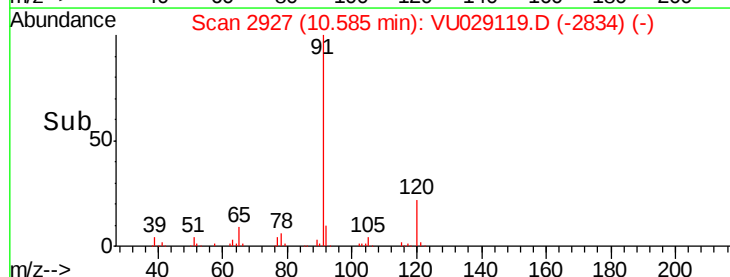
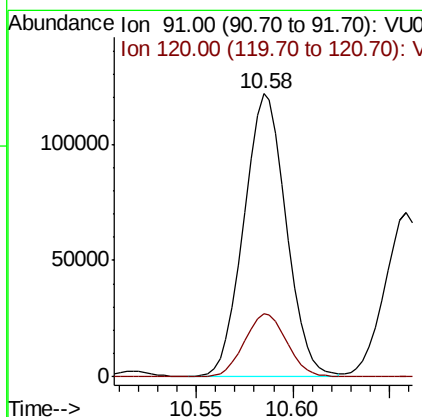
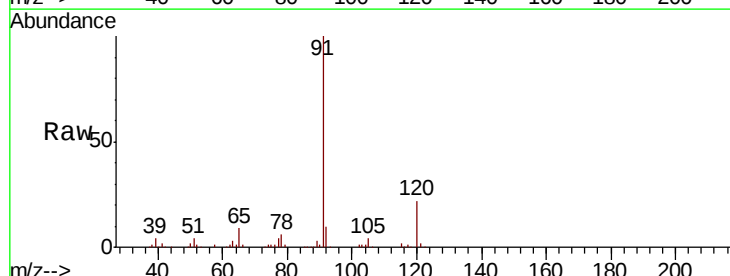
RT: 10.58 min Scan# 2927

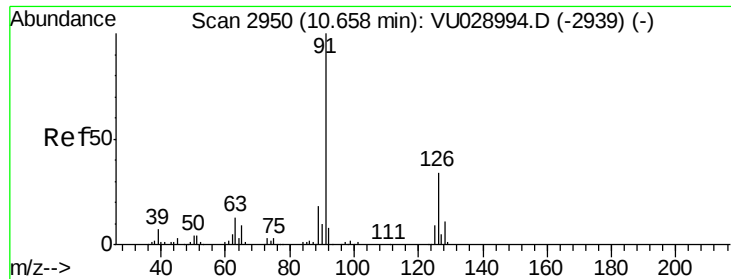
Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Tgt Ion: 91 Resp: 185318
 Ion Ratio Lower Upper
 91 100
 120 22.4 11.3 33.9





#79

2-Chlorotoluene

Concen: 20.384 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBSD01

Tgt Ion: 91 Resp: 111261

Ion Ratio Lower Upper

91 100

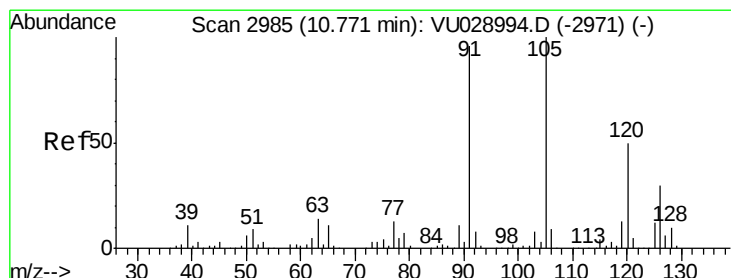
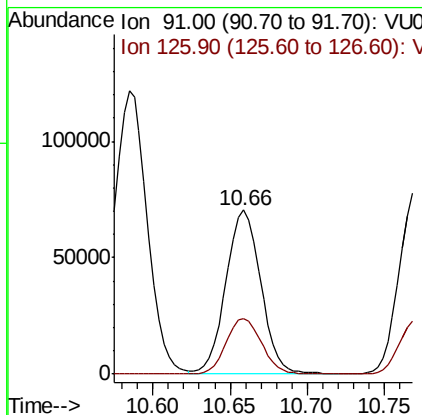
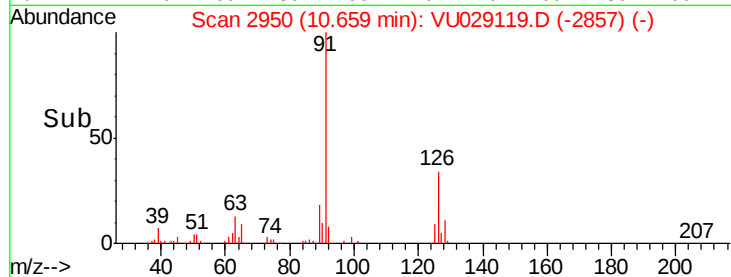
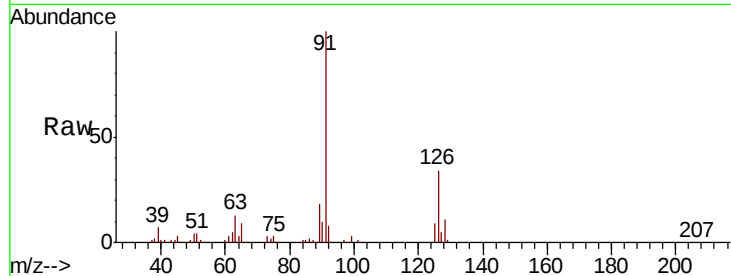
126 34.3 16.8 50.4

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#80

1,3,5-Trimethylbenzene

Concen: 20.686 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029119.D

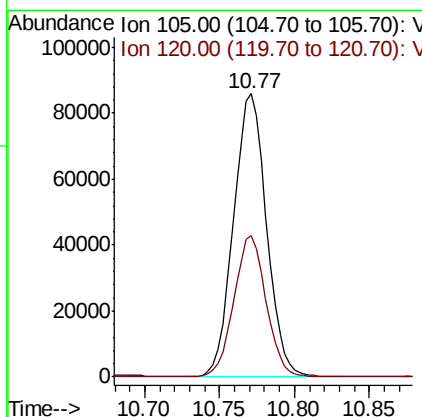
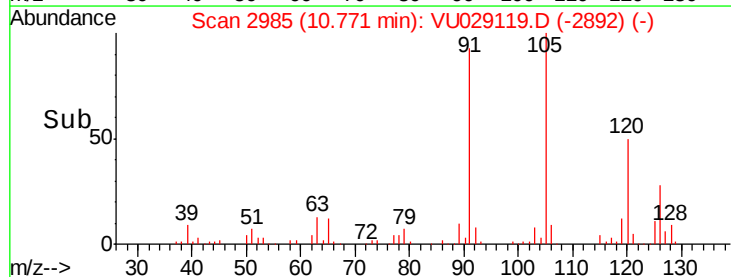
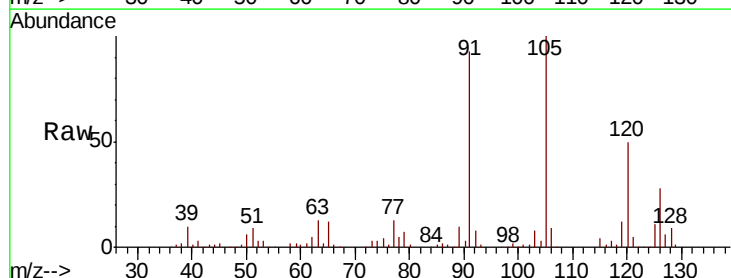
Acq: 10 Jan 2019 15:28

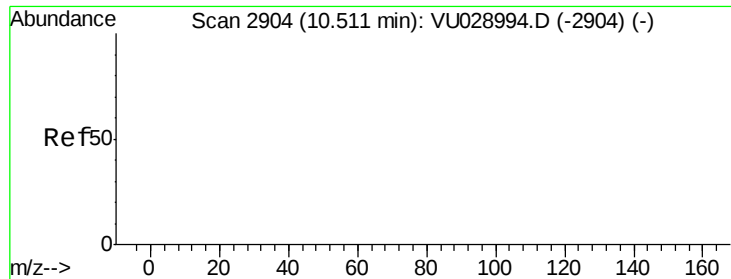
Tgt Ion: 105 Resp: 131896

Ion Ratio Lower Upper

105 100

120 48.7 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.550 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

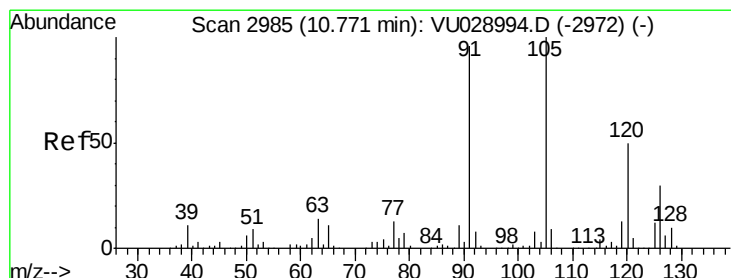
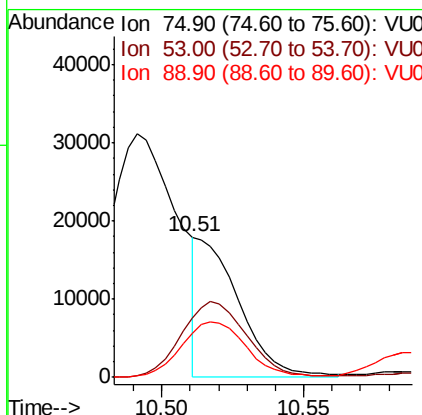
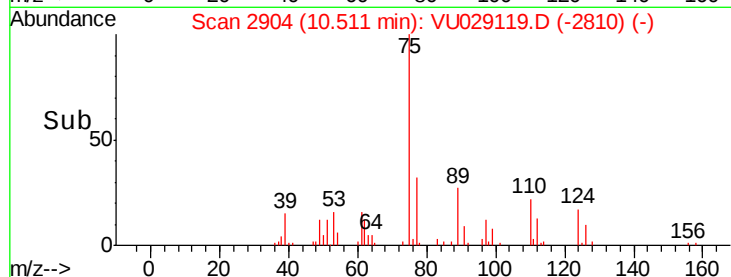
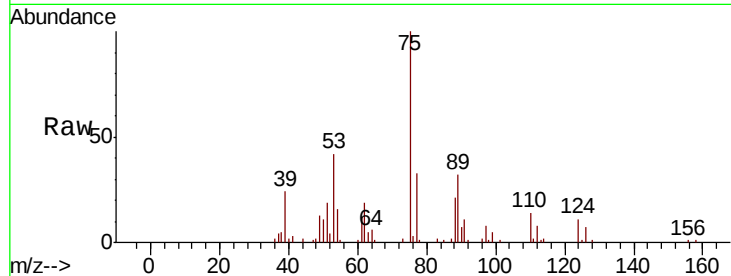
Instrument :
MSVOA_U
ClientSampleId :
VU0110MBSD01

Tgt Ion: 75 Resp: 18179

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

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#82

4-Chlorotoluene

Concen: 20.059 ug/l

RT: 10.77 min Scan# 2985

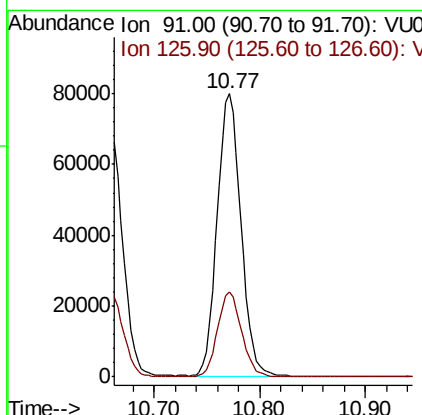
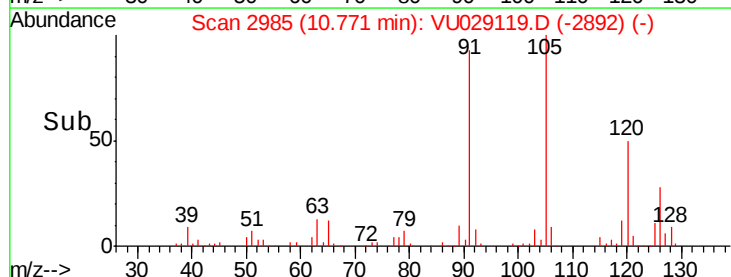
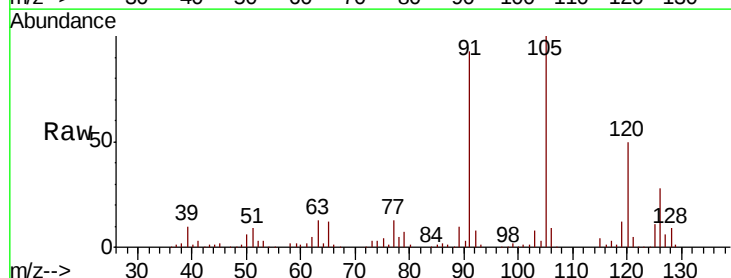
Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Tgt Ion: 91 Resp: 125544

Ion	Ratio	Lower	Upper
91	100		
126	30.1	15.5	46.5





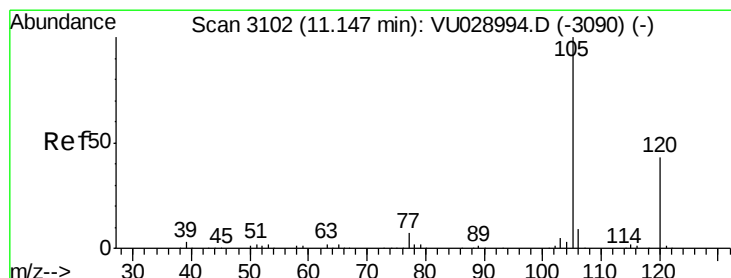
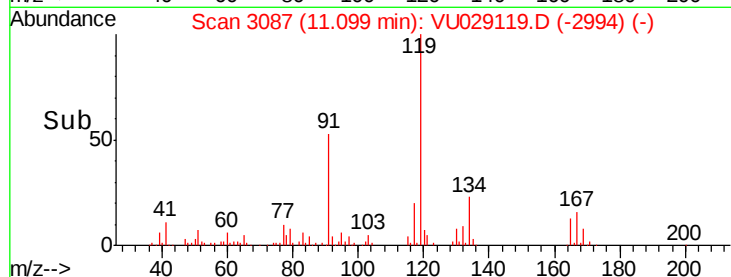
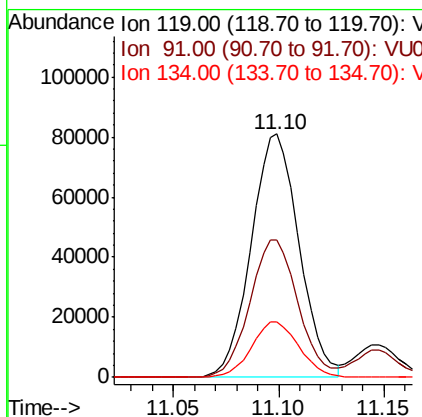
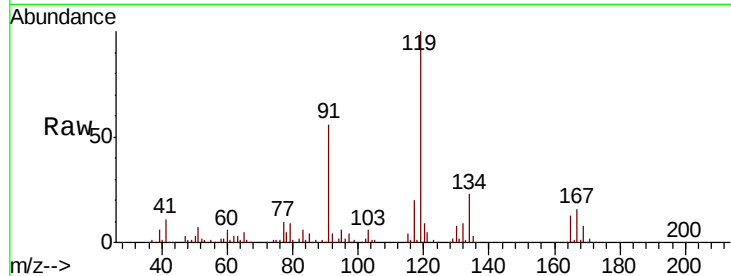
#83
 tert-Butylbenzene
 Concen: 20.378 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU029119.D
 Acq: 10 Jan 2019 15:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	128063		
91	56.9	28.2	84.6	
134	22.7	11.3	33.8	

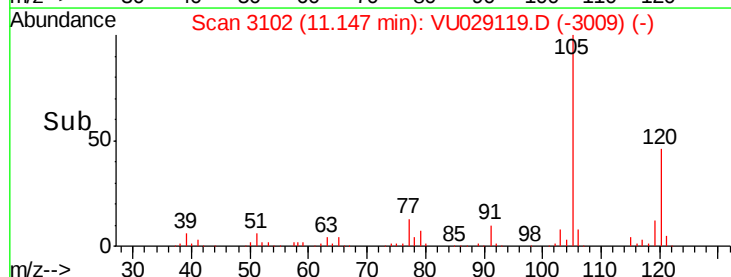
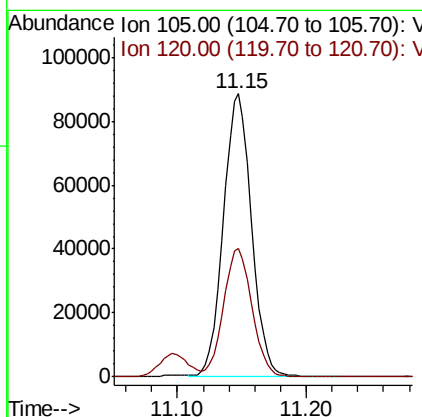
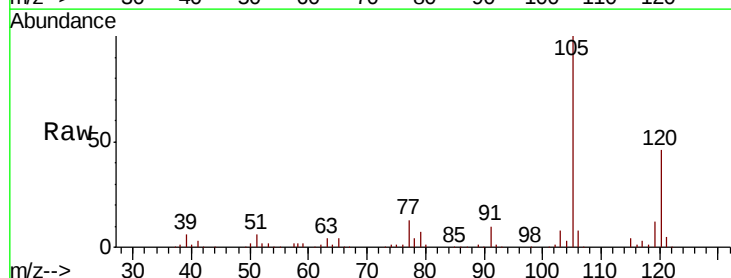
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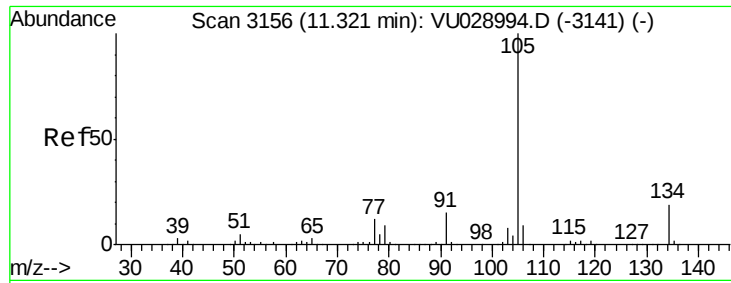
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.899 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU029119.D
 Acq: 10 Jan 2019 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	133038		
120	46.1	23.1	69.3	





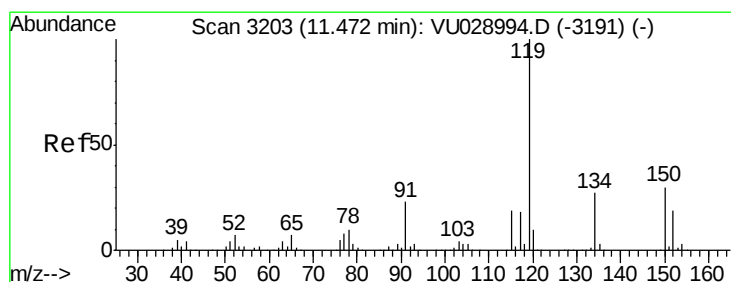
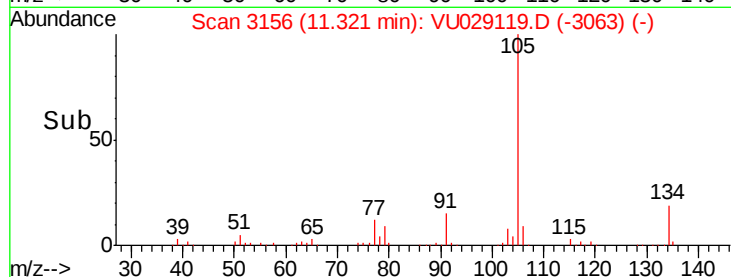
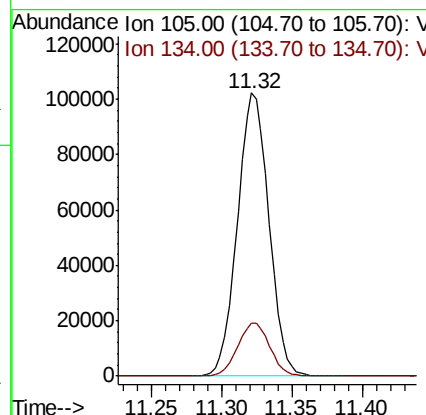
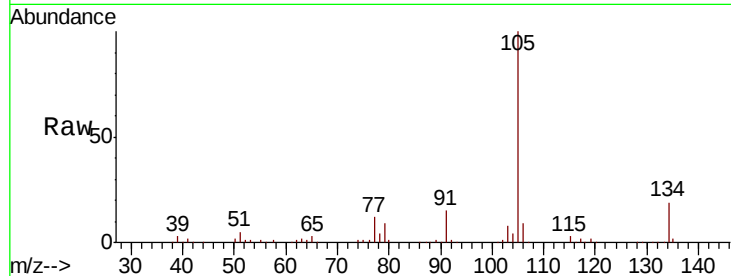
#85
 sec-Butylbenzene
 Concen: 21.032 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU029119.D
 Acq: 10 Jan 2019 15:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBSD01

Tgt Ion:105 Resp: 159854
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.7 29.1

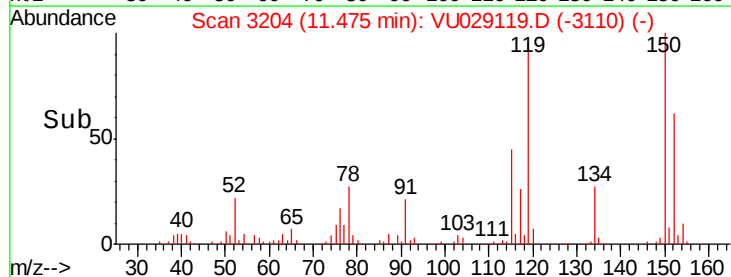
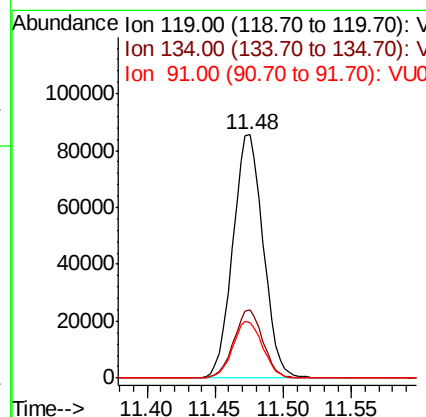
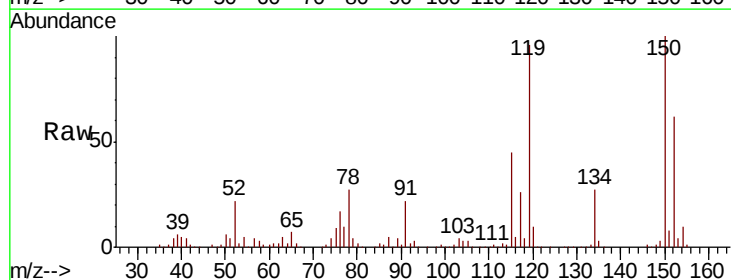
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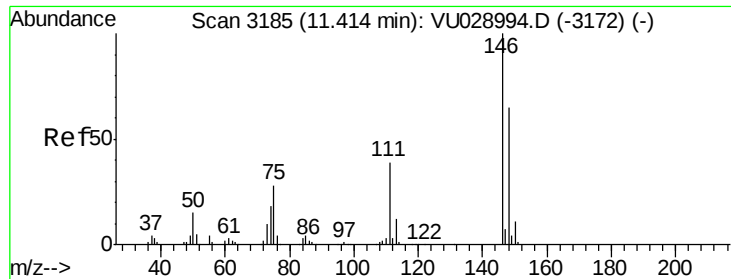
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#86
 p-Isopropyltoluene
 Concen: 20.414 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU029119.D
 Acq: 10 Jan 2019 15:28

Tgt Ion:119 Resp: 132207
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.5 40.4
 91 23.0 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 19.568 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Instrument :

MSVOA_U

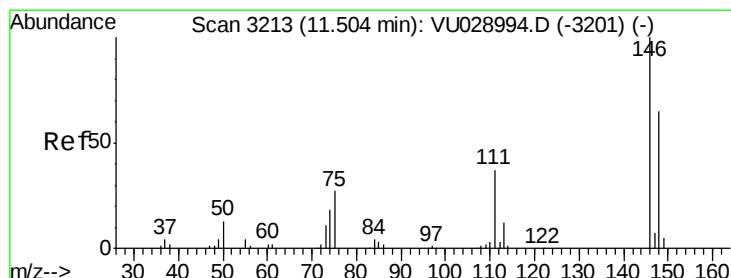
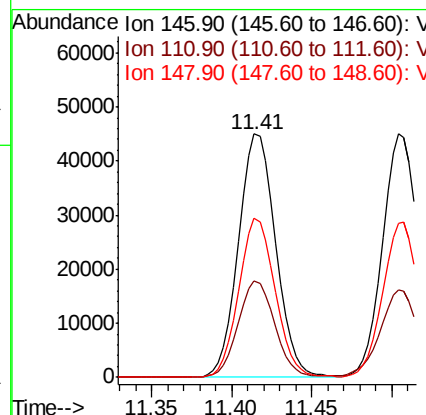
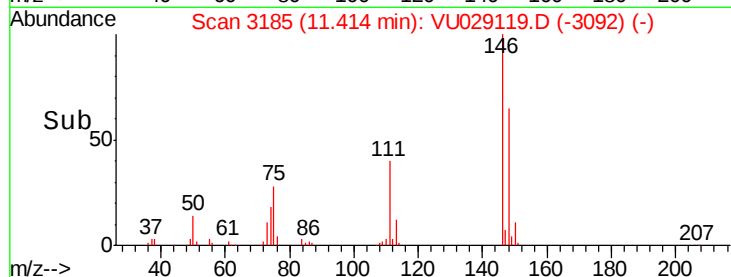
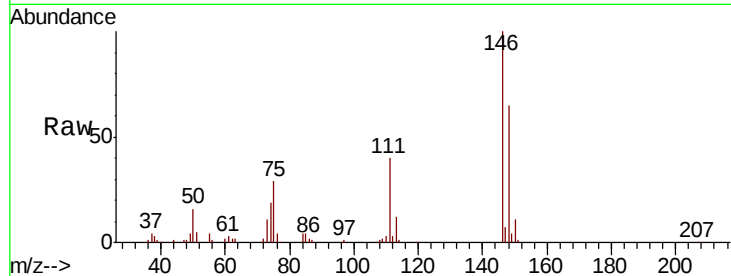
ClientSampleId :

VU0110MBSD01

Tgt Ion:	146	Resp:	71416
Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.3	57.8
148	63.6	32.5	97.5

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#88

1,4-Dichlorobenzene

Concen: 19.168 ug/l

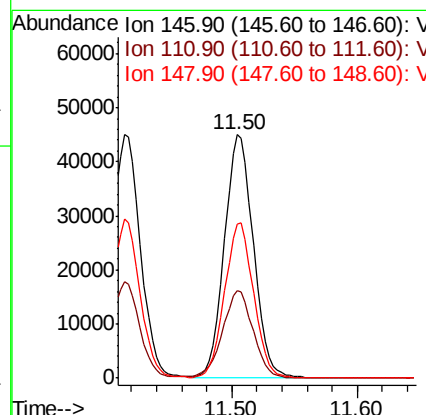
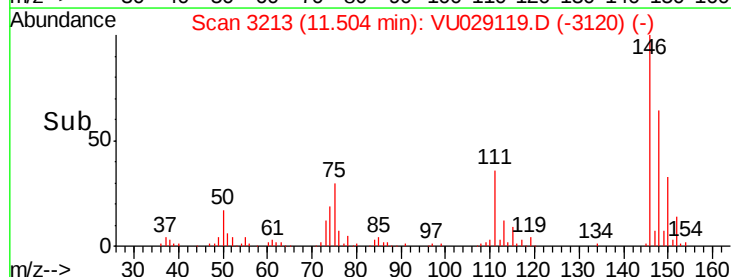
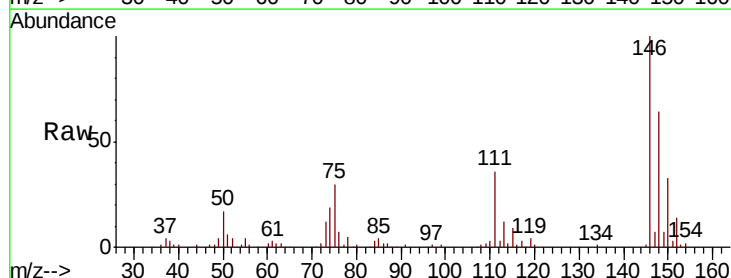
RT: 11.50 min Scan# 3213

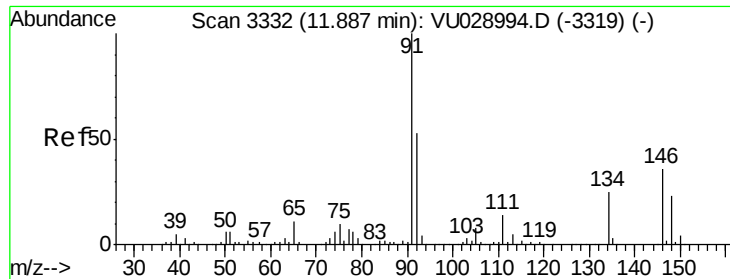
Delta R.T. 0.00 min

Lab File: VU029119.D

Acq: 10 Jan 2019 15:28

Tgt Ion:	146	Resp:	72211
Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.3
148	63.3	32.6	98.0





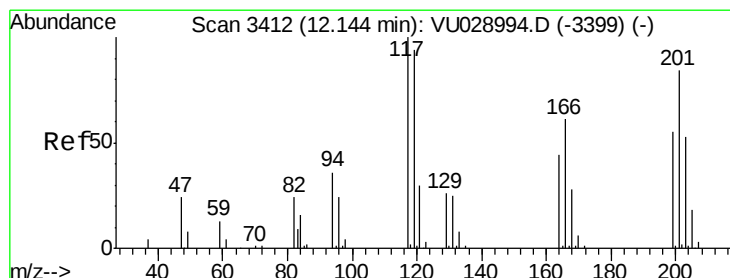
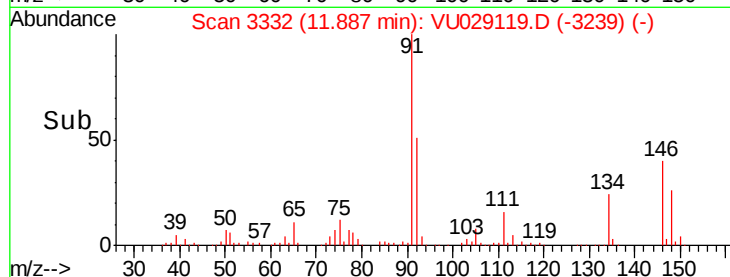
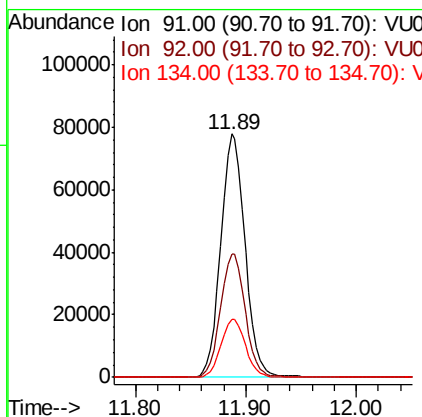
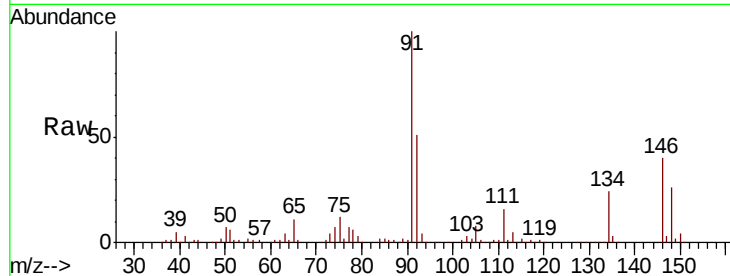
#89
n-Butylbenzene
Concen: 20.593 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBSD01

Tgt Ion: 91 Resp: 119037
Ion Ratio Lower Upper
91 100
92 51.4 26.2 78.5
134 24.1 12.6 37.6

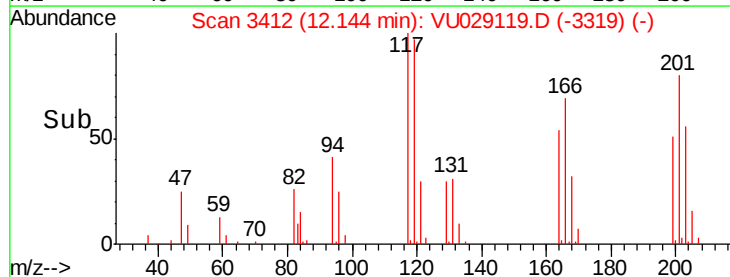
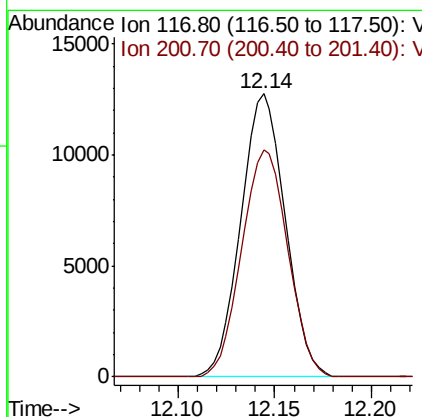
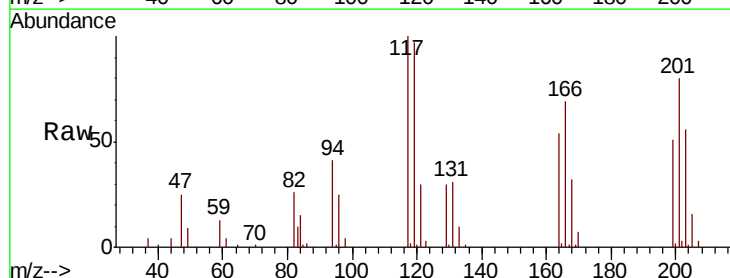
Manual Integrations
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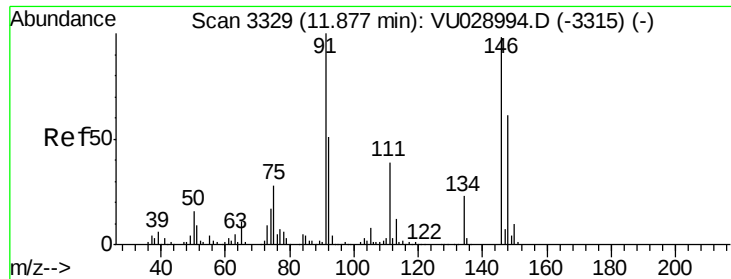
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#90
Hexachloroethane
Concen: 18.788 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Tgt Ion: 117 Resp: 20470
Ion Ratio Lower Upper
117 100
201 82.9 42.4 127.3





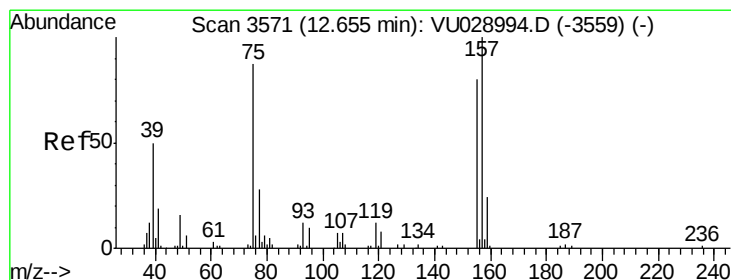
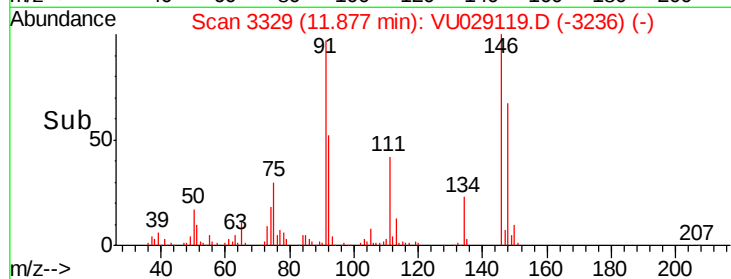
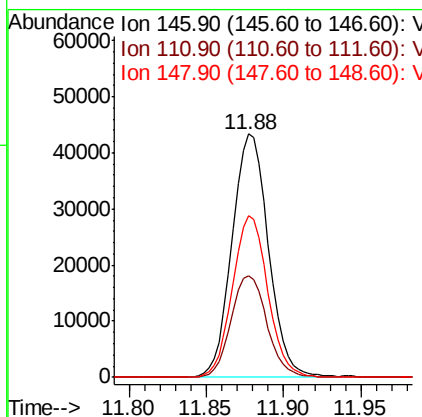
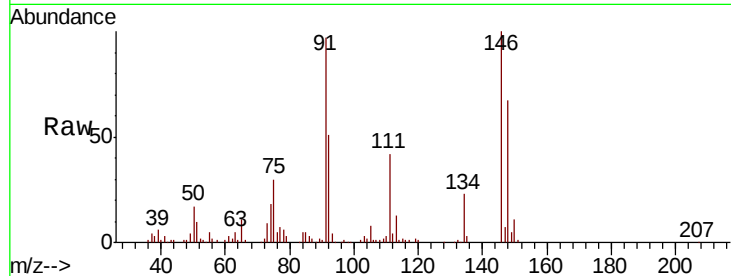
#91
 1,2-Dichlorobenzene
 Concen: 19.248 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029119.D
 Acq: 10 Jan 2019 15:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.0	59.9
148	64.7	31.6	94.8

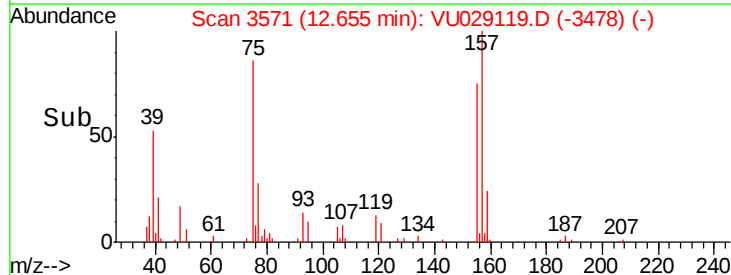
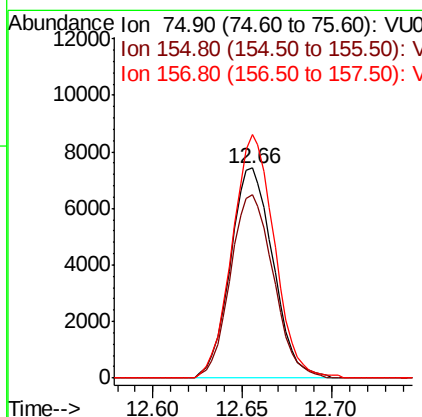
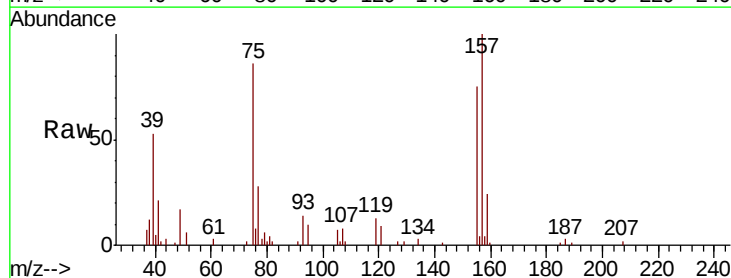
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.031 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU029119.D
 Acq: 10 Jan 2019 15:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.7	46.3	138.8
157	114.2	57.4	172.0





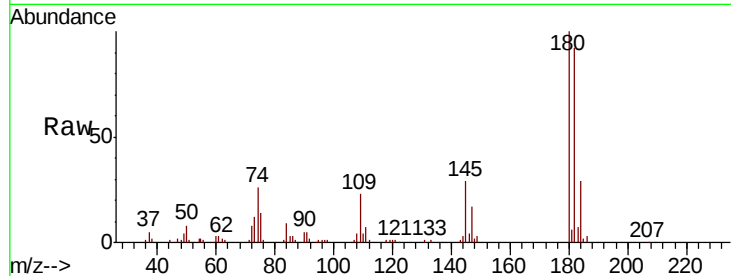
#93
 1,2,4-Trichlorobenzene
 Concen: 18.991 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029119.D
 Acq: 10 Jan 2019 15:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBSD01

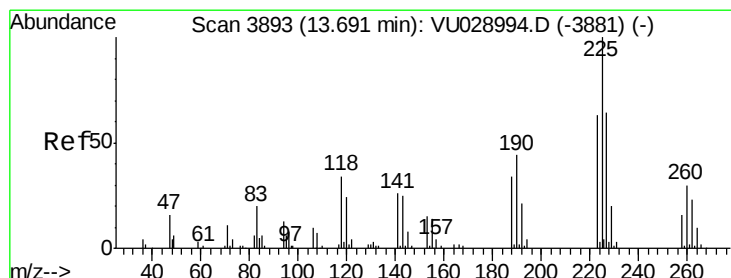
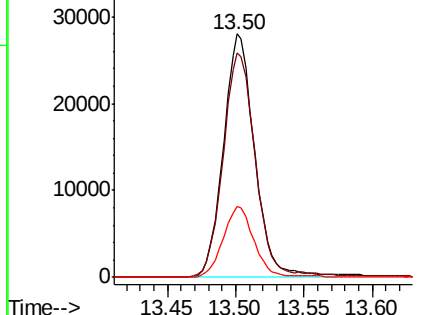
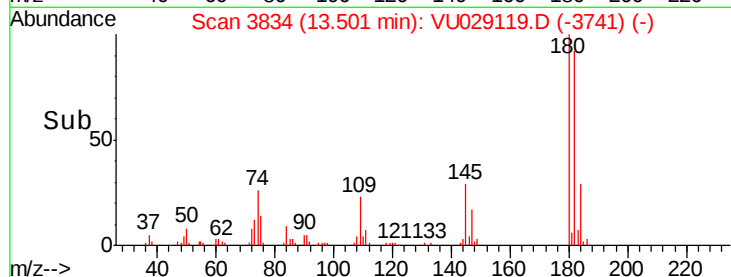
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.5	142.6
145	28.8	14.0	42.0

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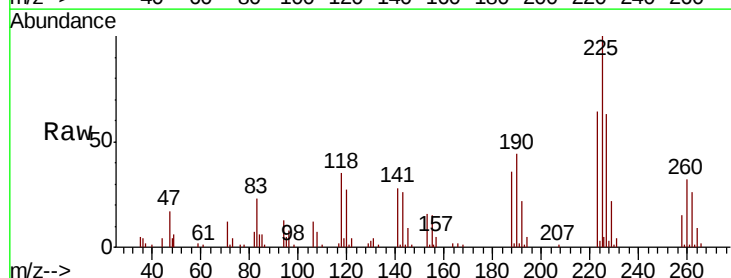


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

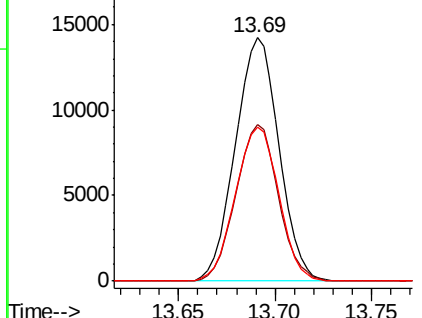
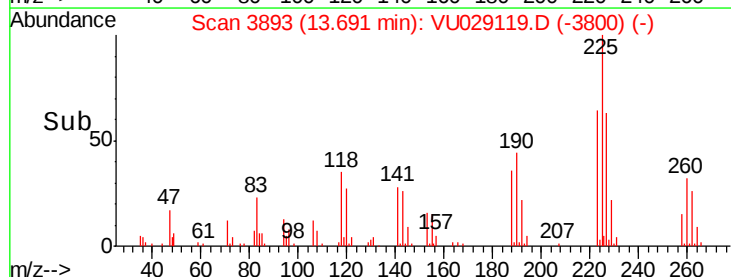


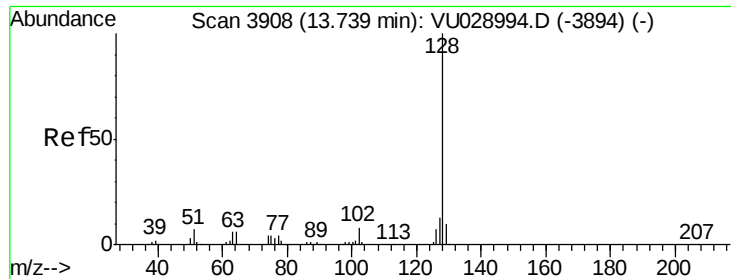
#94
 Hexachlorobutadiene
 Concen: 20.774 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029119.D
 Acq: 10 Jan 2019 15:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.4	94.0
227	62.8	31.9	95.5



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





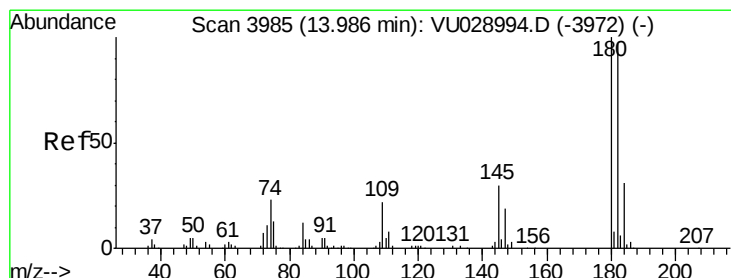
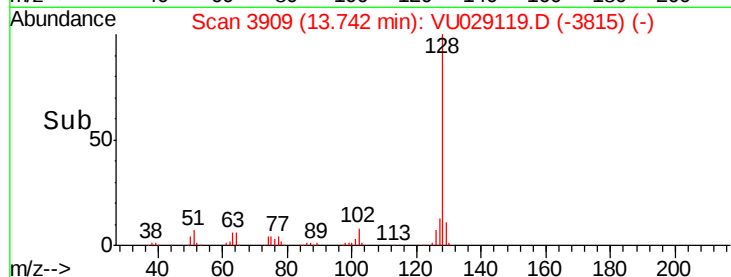
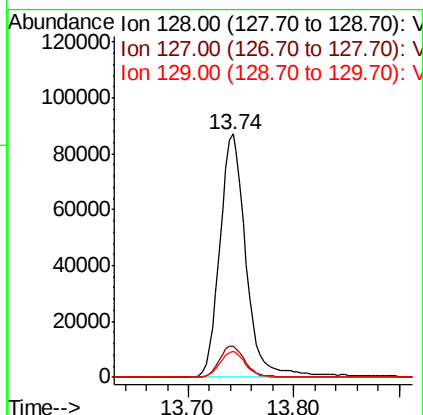
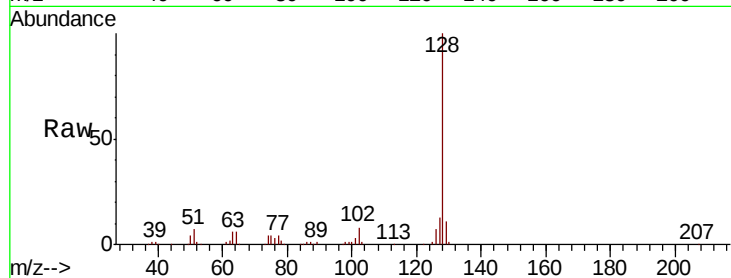
#95
Naphthalene
Concen: 18.751 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	149680		
127	13.0	10.1	15.1	
129	10.2	8.5	12.7	

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#96
1,2,3-Trichlorobenzene
Concen: 19.842 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029119.D
Acq: 10 Jan 2019 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	46785		
182	95.4	48.1	144.3	
145	30.0	14.8	44.4	

