

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012119\
 Data File : VU029260.D
 Acq On : 21 Jan 2019 19:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 10:40:34 AM

Quant Time: Jan 22 03:16:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	108193	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	175900	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	166715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	82295	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	68425	51.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.32%	
35) Dibromofluoromethane	4.88	113	58152	51.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.00%	
50) Toluene-d8	7.56	98	208123	46.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.46%	
62) 4-Bromofluorobenzene	10.30	95	78342	48.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.86%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.21	85	48151	44.877	ug/l	100
3) Chloromethane	1.33	50	71641	41.717	ug/l	100
4) Vinyl Chloride	1.40	62	74094	46.860	ug/l	98
5) Bromomethane	1.61	94	38386	47.040	ug/l	99
6) Chloroethane	1.69	64	42989	45.645	ug/l	100
7) Trichlorofluoromethane	1.88	101	81324	47.200	ug/l	97
8) Diethyl Ether	2.10	74	38730	46.789	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.29	101	51679	44.828	ug/l	99
10) Methyl Iodide	2.41	142	59523	54.912	ug/l	98
11) Tert butyl alcohol	2.83	59	89693	263.829	ug/l	100
12) 1,1-Dichloroethene	2.28	96	48851	43.535	ug/l	94
13) Acrolein	2.19	56	62858	246.233	ug/l	99
14) Allyl chloride	2.59	41	110304m	53.575	ug/l	
15) Acrylonitrile	2.93	53	235721	282.620	ug/l	99
16) Acetone	2.32	43	191574	227.372	ug/l	98
17) Carbon Disulfide	2.48	76	155870	41.857	ug/l	100
18) Methyl Acetate	2.61	43	123417	62.997	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	203735	51.643	ug/l	99
20) Methylene Chloride	2.70	84	72726	50.839	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	60293	46.248	ug/l	94
22) Diisopropyl ether	3.57	45	221846	54.519	ug/l	99
23) Vinyl Acetate	3.52	43	908019	272.962	ug/l	99
24) 1,1-Dichloroethane	3.44	63	125531	53.440	ug/l	99
25) 2-Butanone	4.26	43	312631	274.720	ug/l	99
26) 2,2-Dichloropropane	4.23	77	95627	50.382	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	72835	51.081	ug/l	98
28) Bromochloromethane	4.55	49	53164	52.856	ug/l	95
29) Tetrahydrofuran	4.63	42	196669	284.939	ug/l	97
30) Chloroform	4.67	83	117351	52.450	ug/l	99
31) Cyclohexane	4.99	56	107375	48.387	ug/l	99
32) 1,1,1-Trichloroethane	4.91	97	96344	52.114	ug/l	99
36) 1,1-Dichloropropene	5.13	75	85902	48.858	ug/l	99
37) Ethyl Acetate	4.38	43	109217	56.592	ug/l	98
38) Carbon Tetrachloride	5.13	117	78185	53.317	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	104532	48.361	ug/l	99
40) Benzene	5.39	78	276403	50.399	ug/l	100
41) Methacrylonitrile	4.54	41	60623	58.684	ug/l	97
42) 1,2-Dichloroethane	5.40	62	90066	54.652	ug/l	99
43) Isopropyl Acetate	5.55	43	170247	57.507	ug/l	99
44) Trichloroethene	6.18	130	66436	48.891	ug/l	99
45) 1,2-Dichloropropane	6.43	63	78235	54.019	ug/l	99
46) Dibromomethane	6.56	93	48958	52.880	ug/l	97
47) Bromodichloromethane	6.76	83	92350	54.176	ug/l	99
48) Methyl methacrylate	6.62	41	85168	59.082	ug/l	98
49) 1,4-Dioxane	6.61	88	38931	1139.600	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	589019	292.350	ug/l	98
52) Toluene	7.63	92	160770	48.154	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	103773	50.678	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	114669	51.824	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	68787	51.428	ug/l	98
56) Ethyl methacrylate	8.02	69	107065	51.958	ug/l	94
57) 1,3-Dichloropropane	8.24	76	113503	49.593	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.12	63	248648	274.380	ug/l	98
59) 2-Hexanone	8.36	43	447187	282.757	ug/l	97
60) Dibromochloromethane	8.48	129	68590	51.762	ug/l	98
61) 1,2-Dibromoethane	8.58	107	72286	49.831	ug/l	100
64) Tetrachloroethene	8.22	164	50801	42.301	ug/l	97
65) Chlorobenzene	9.12	112	180199	48.221	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	58279	48.056	ug/l	98
67) Ethyl Benzene	9.25	91	297363	47.661	ug/l	99
68) m/p-Xylenes	9.37	106	233701	96.404	ug/l	98
69) o-Xylene	9.78	106	117014	50.096	ug/l	99
70) Styrene	9.79	104	191448	49.997	ug/l	99
71) Bromoform	9.95	173	52581	48.694	ug/l #	99
73) Isopropylbenzene	10.16	105	305609	50.172	ug/l	99
74) N-amyl acetate	10.01	43	144799	55.166	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.45	83	127438	52.201	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	102491m	50.830	ug/l	
77) Bromobenzene	10.45	156	77195	48.631	ug/l	96
78) n-propylbenzene	10.58	91	375228	52.271	ug/l	100
79) 2-Chlorotoluene	10.66	91	218408	50.156	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	262036	51.514	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	43718m	55.918	ug/l	
82) 4-Chlorotoluene	10.77	91	253989	50.867	ug/l	98
83) tert-Butylbenzene	11.10	119	261945	52.247	ug/l	99
84) 1,2,4-Trimethylbenzene	11.14	105	270569	53.277	ug/l	100
85) sec-Butylbenzene	11.32	105	325611	53.701	ug/l	99
86) p-Isopropyltoluene	11.47	119	278017	53.809	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	146074	50.169	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	141511	47.085	ug/l	99
89) n-Butylbenzene	11.89	91	254899	55.275	ug/l	99
90) Hexachloroethane	12.14	117	45055	51.835	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	138204	47.126	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.65	75	26754	56.978	ug/l	95

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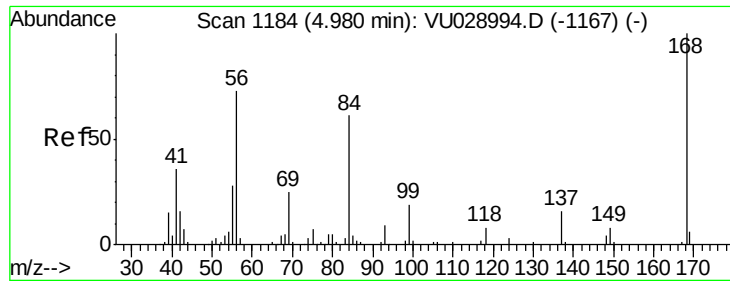
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	92739	49.538	ug/l	100
94) Hexachlorobutadiene	13.69	225	46654	54.485	ug/l	99
95) Naphthalene	13.74	128	312876	49.130	ug/l	100
96) 1,2,3-Trichlorobenzene	13.98	180	99447	51.577	ug/l	99

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



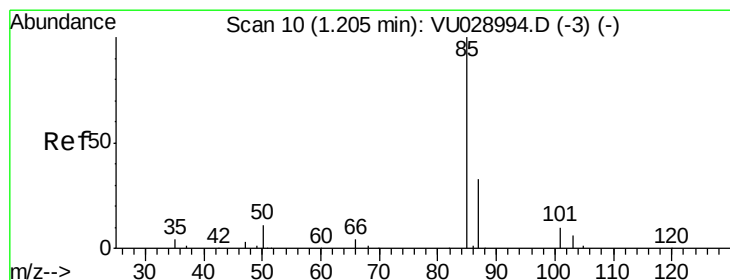
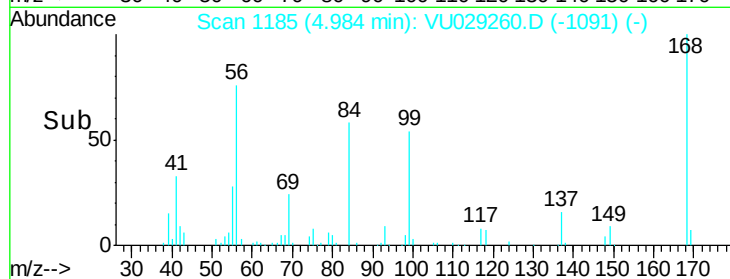
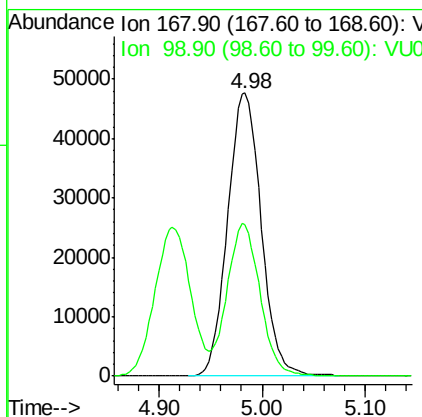
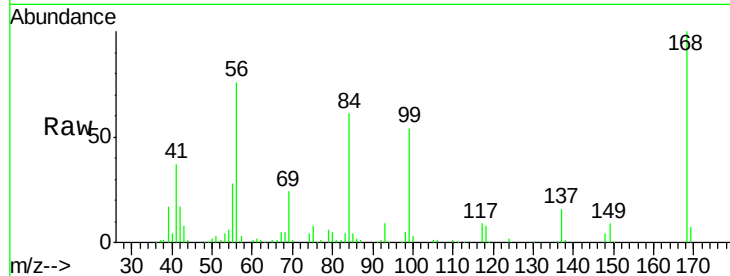
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. 0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	53.7	42.0	63.0

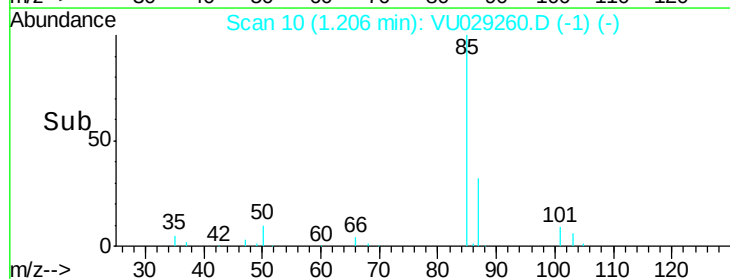
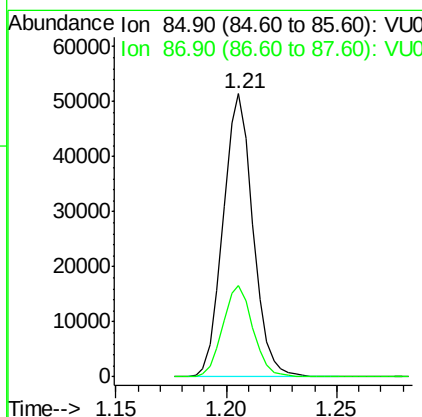
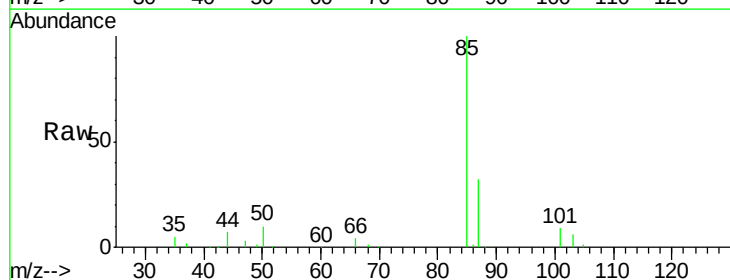
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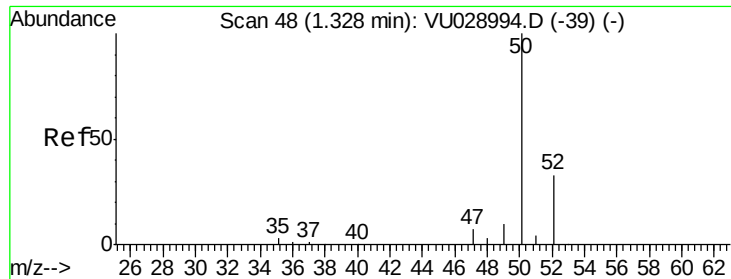
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#2
Dichlorodifluoromethane
Concen: 44.877 ug/l
RT: 1.21 min Scan# 10
Delta R.T. 0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.3	48.8





#3

Chloromethane

Concen: 41.717 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 71641

Ion Ratio Lower Upper

50 100

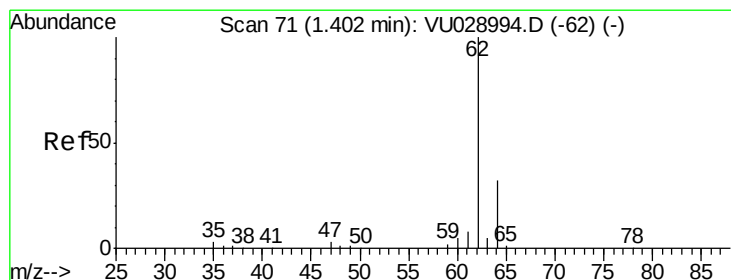
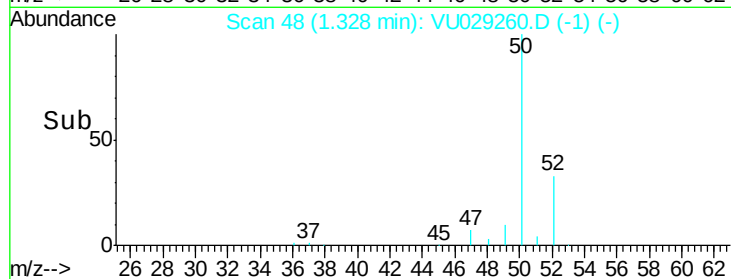
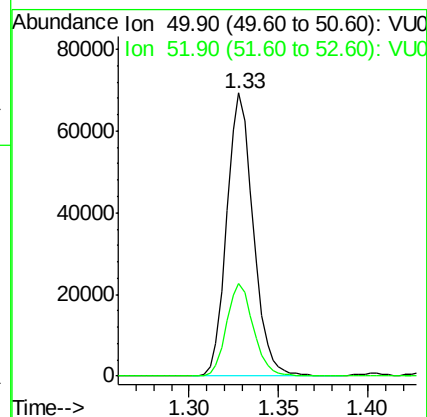
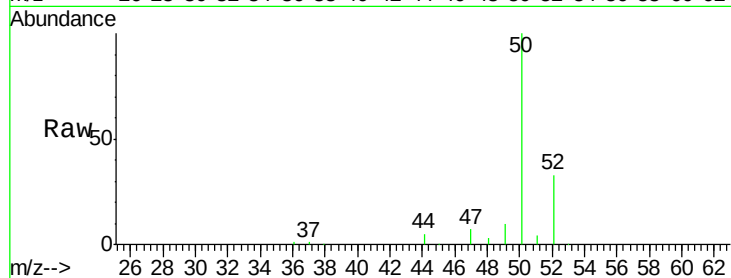
52 32.7 26.1 39.1

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#4

Vinyl Chloride

Concen: 46.860 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029260.D

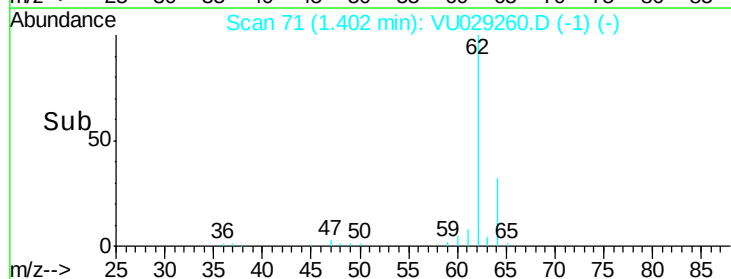
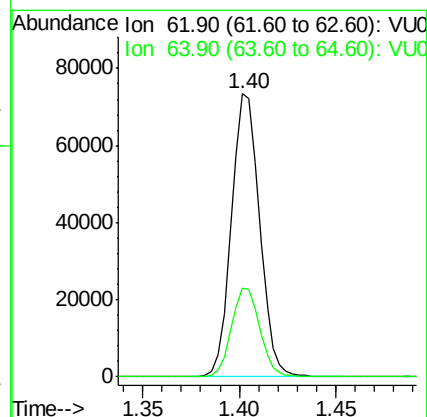
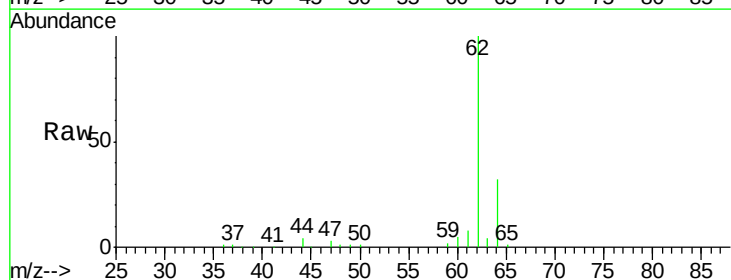
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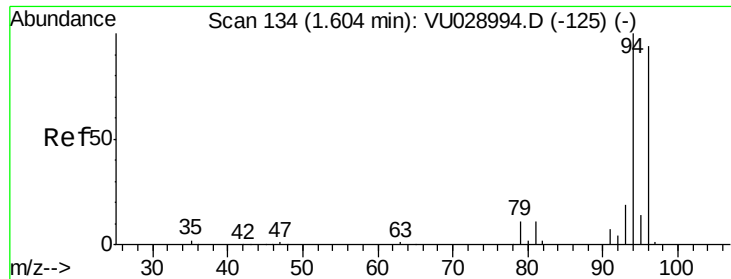
Tgt Ion: 62 Resp: 74094

Ion Ratio Lower Upper

62 100

64 31.5 25.9 38.9





#5

Bromomethane

Concen: 47.040 ug/l

RT: 1.61 min Scan# 136

Delta R.T. 0.01 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 38386

Ion Ratio Lower Upper

94 100

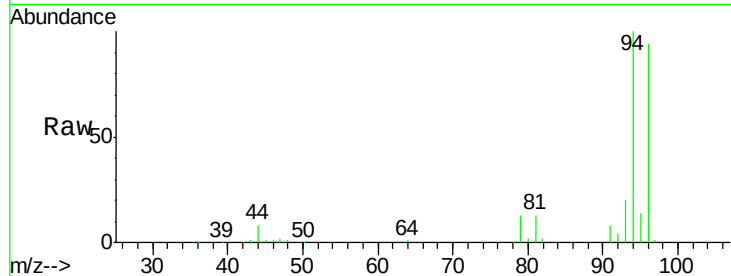
96 93.8 75.5 113.3

Manual Integrations

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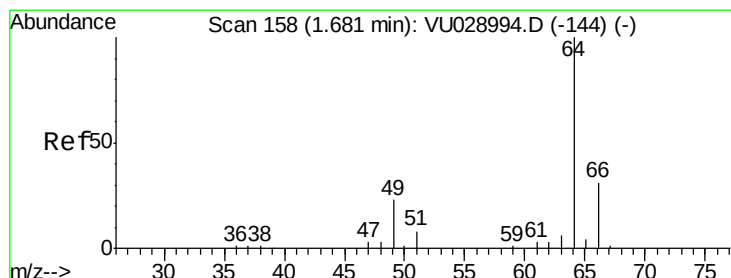
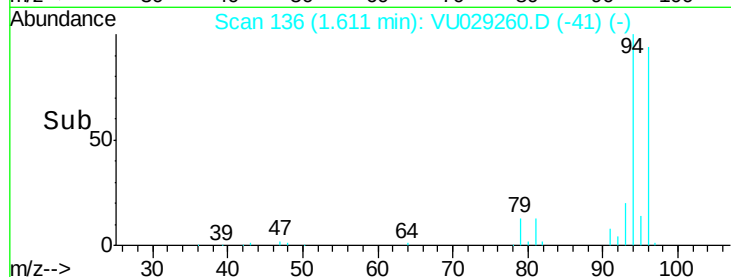
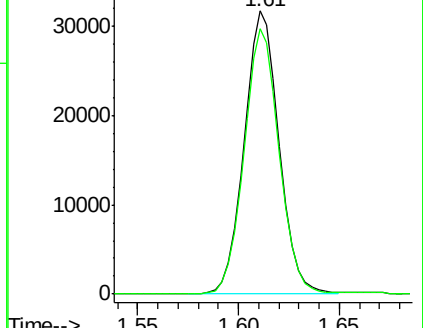
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Abundance Ion 93.90 (93.60 to 94.60): VU028994.D (-125) (-)

Ion 95.90 (95.60 to 96.60): VU028994.D (-125) (-)



#6

Chloroethane

Concen: 45.645 ug/l

RT: 1.69 min Scan# 161

Delta R.T. 0.01 min

Lab File: VU029260.D

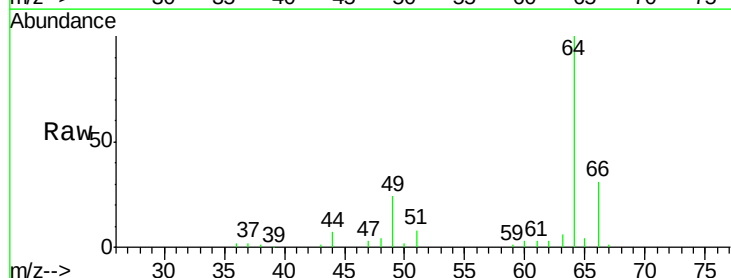
Acq: 21 Jan 2019 19:44

Tgt Ion: 64 Resp: 42989

Ion Ratio Lower Upper

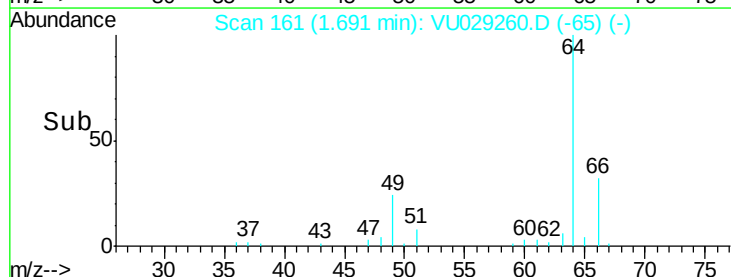
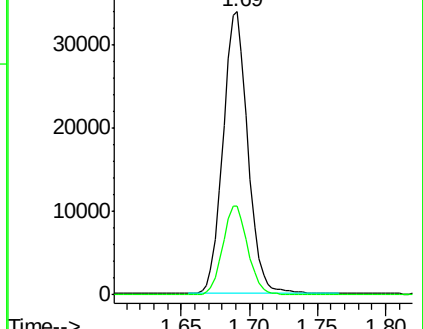
64 100

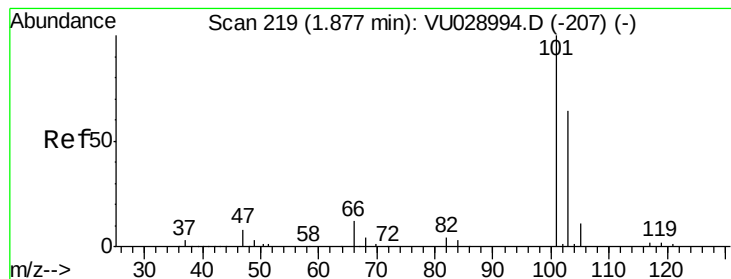
66 31.6 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VU028994.D (-144) (-)

Ion 65.90 (65.60 to 66.60): VU028994.D (-144) (-)





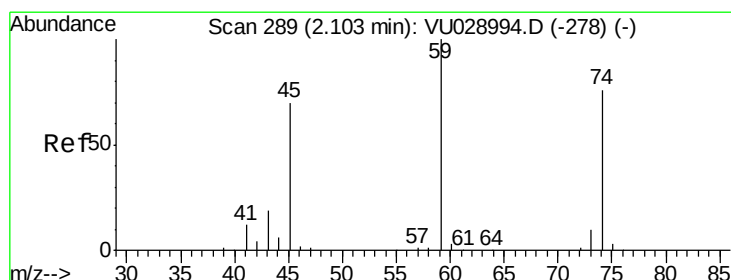
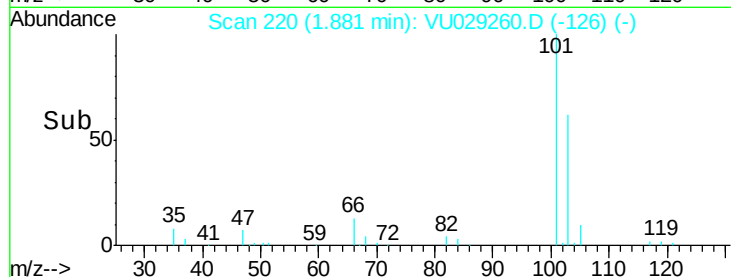
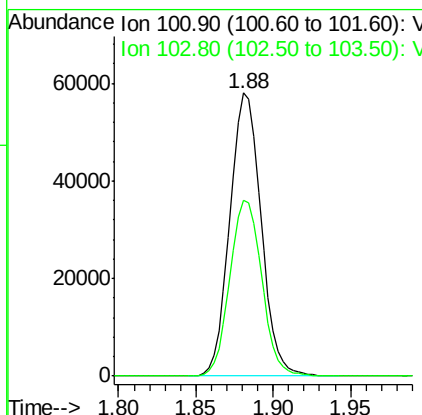
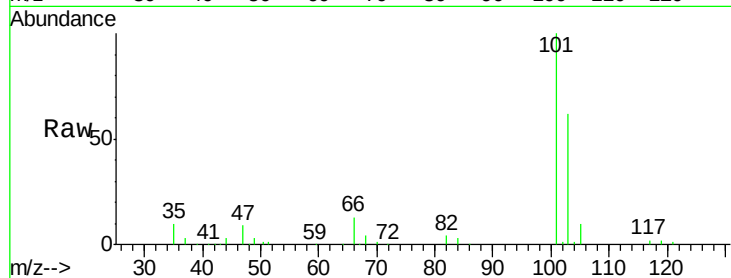
#7
 Trichlorofluoromethane
 Concen: 47.200 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VU029260.D
 Acq: 21 Jan 2019 19:44

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 81324
 Ion Ratio Lower Upper
 101 100
 103 62.3 51.5 77.3

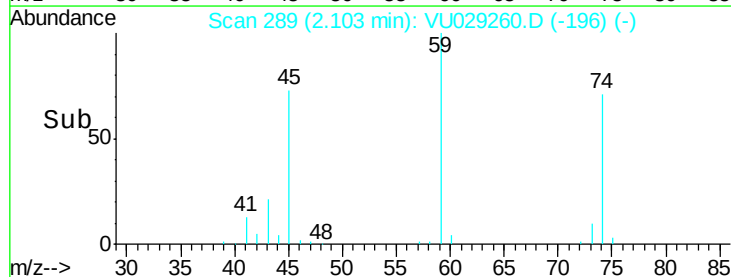
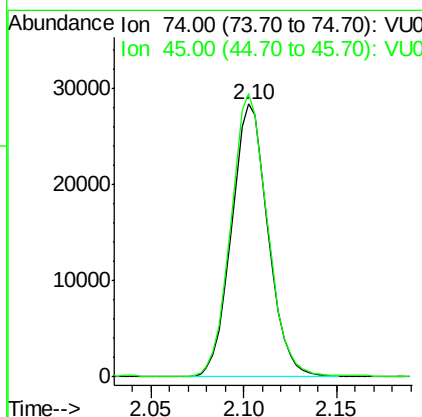
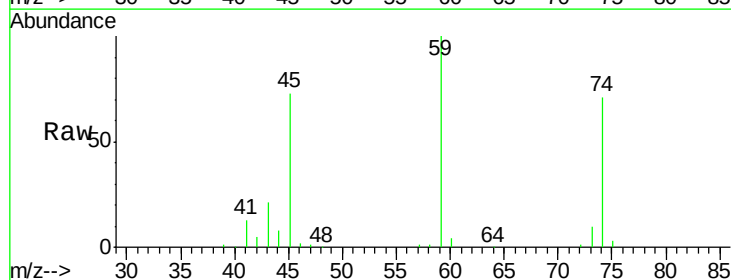
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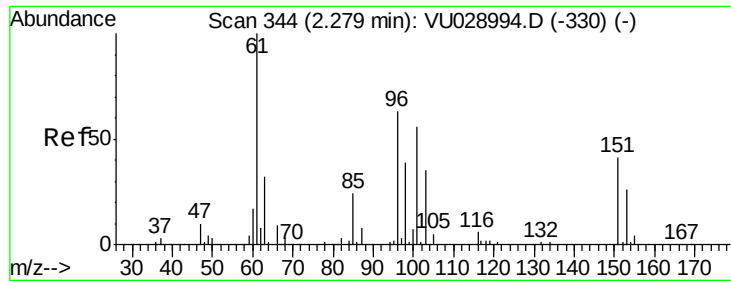
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#8
 Diethyl Ether
 Concen: 46.789 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU029260.D
 Acq: 21 Jan 2019 19:44

Tgt Ion: 74 Resp: 38730
 Ion Ratio Lower Upper
 74 100
 45 104.4 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.828 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Instrument :

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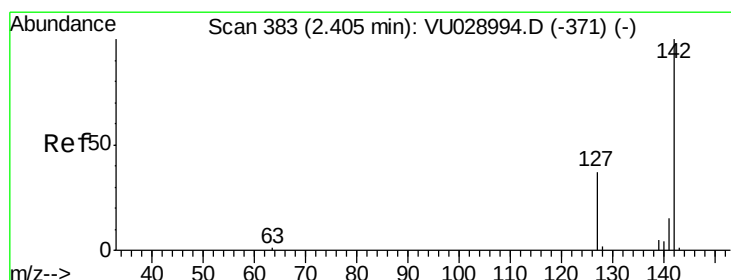
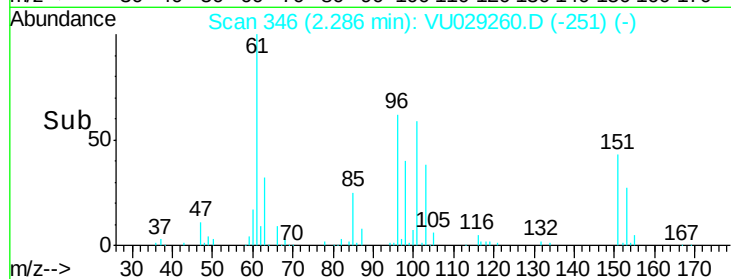
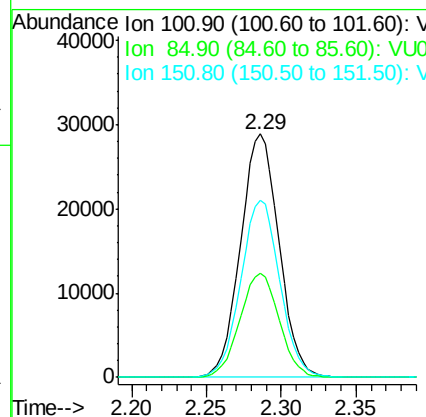
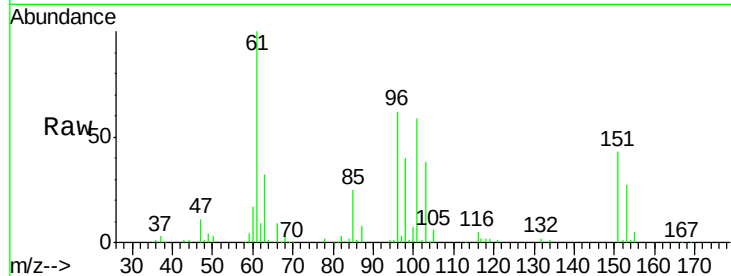
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	51679
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.1	52.7
151	73.9	60.2	90.2

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#10

Methyl Iodide

Concen: 54.912 ug/l

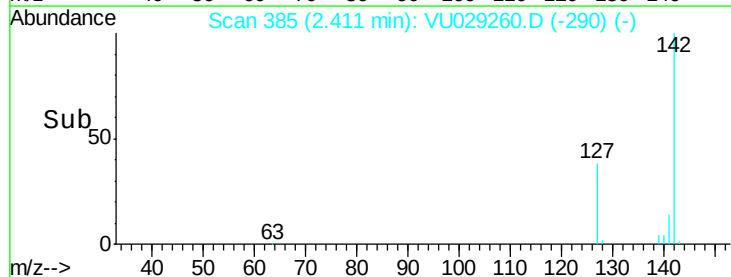
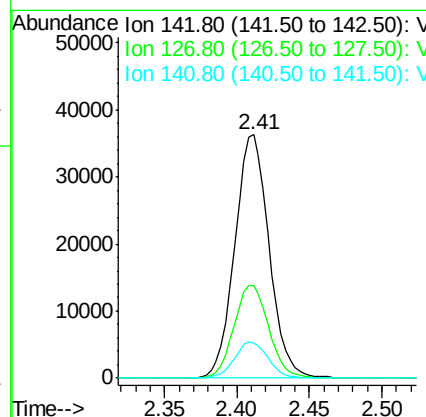
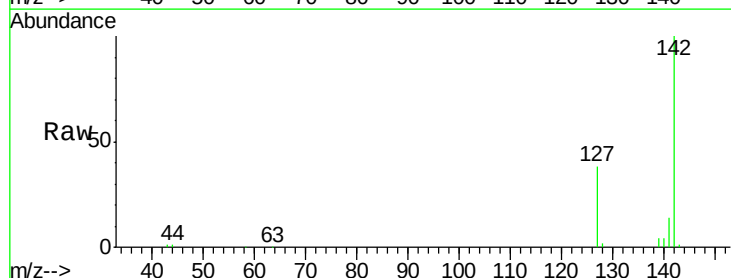
RT: 2.41 min Scan# 385

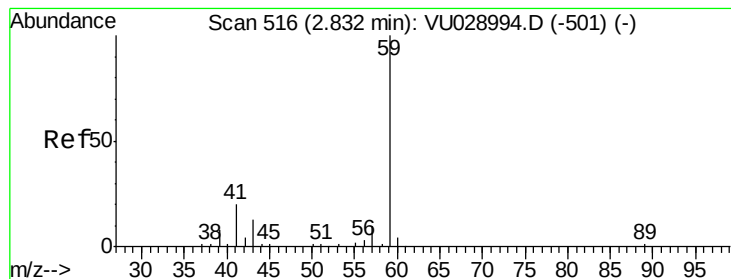
Delta R.T. 0.01 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Tgt Ion:	142	Resp:	59523
Ion Ratio	Lower	Upper	
142	100		
127	38.6	29.8	44.6
141	14.5	11.5	17.3





#11

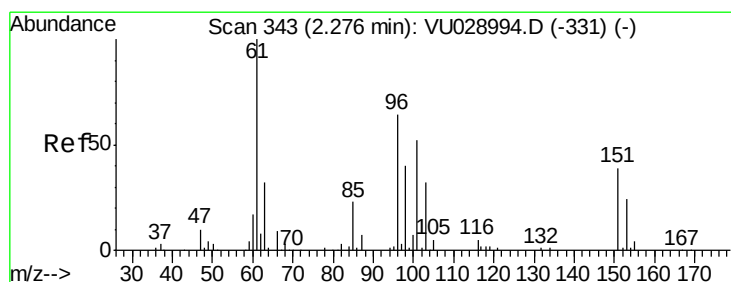
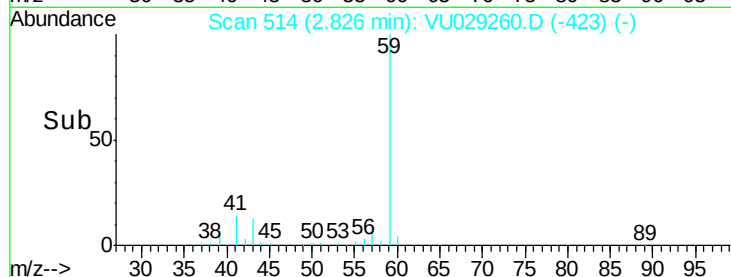
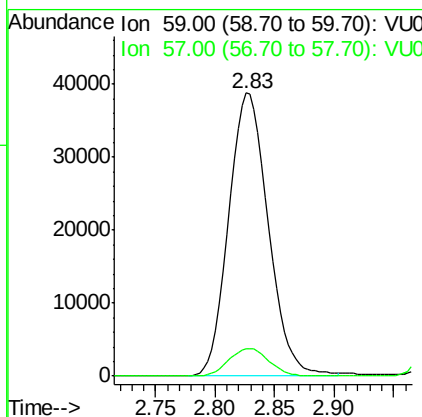
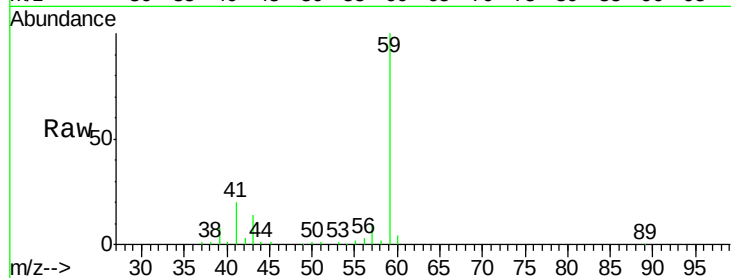
Tert butyl alcohol
Concen: 263.829 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.01 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.9	11.9

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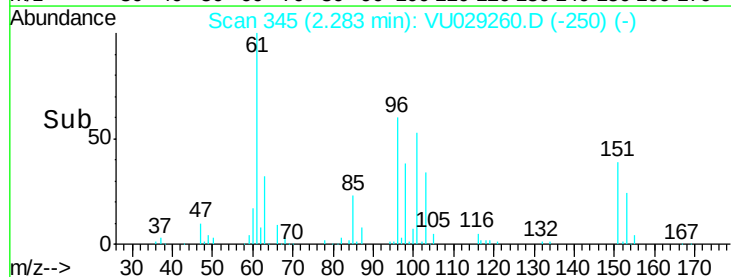
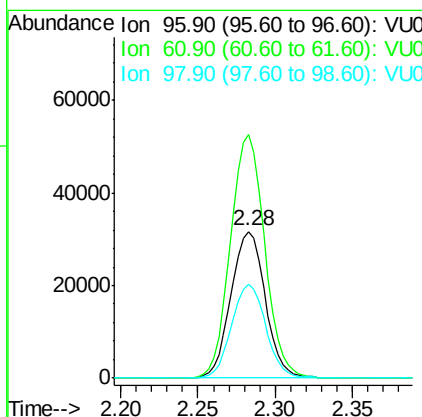
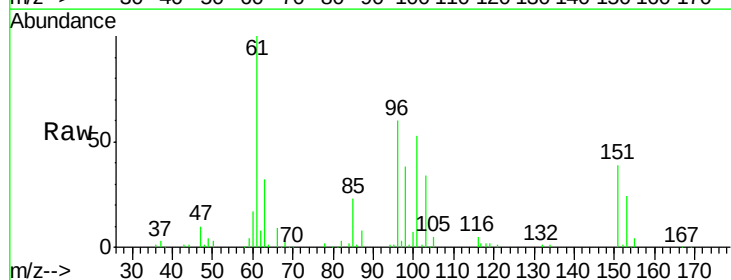
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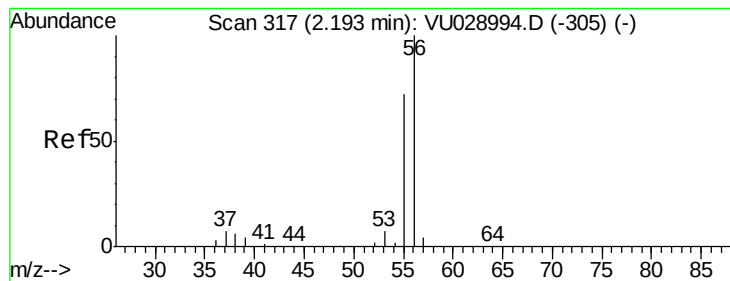


#12

1,1-Dichloroethene
Concen: 43.535 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.01 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.9	125.4	188.0
98	63.7	49.7	74.5





#13

Acrolein

Concen: 246.233 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 62858

Ion Ratio Lower Upper

56 100

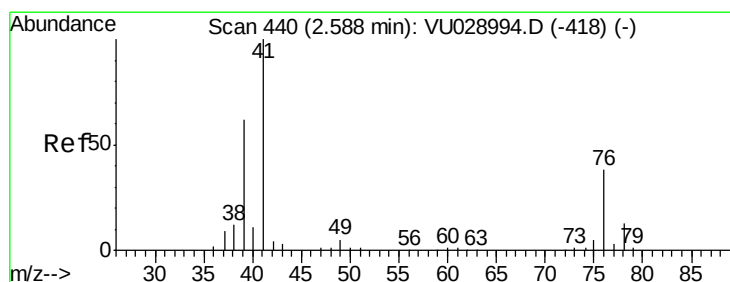
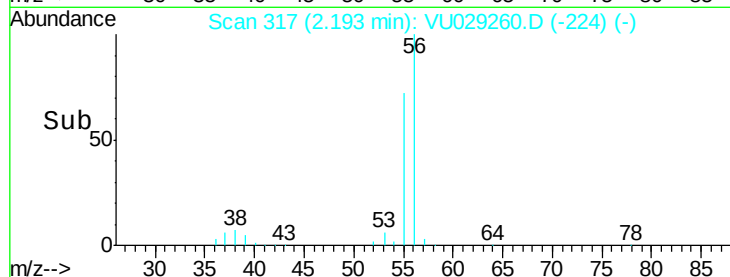
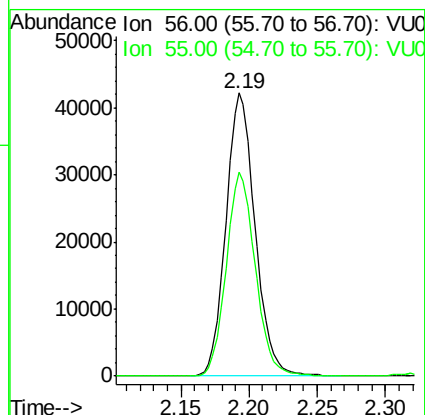
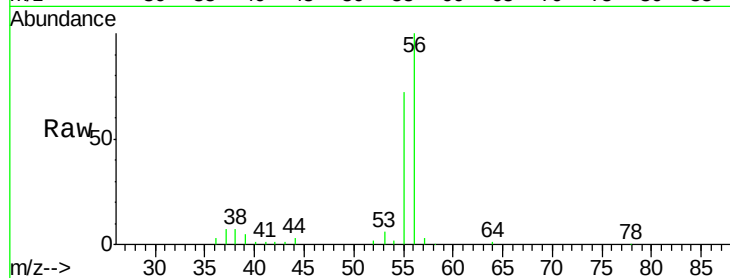
55 71.6 56.5 84.7

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#14

Allyl chloride

Concen: 53.575 ug/l m

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

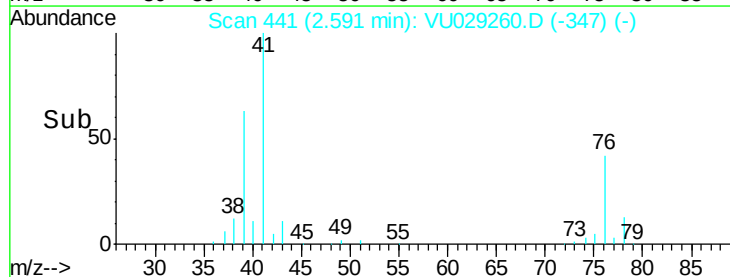
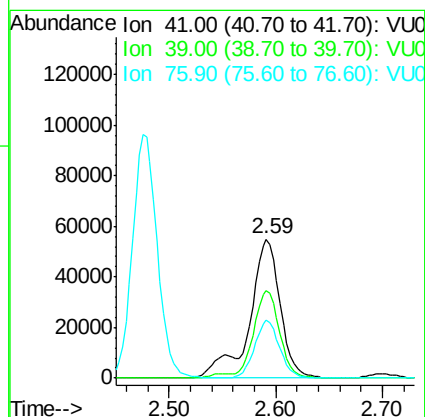
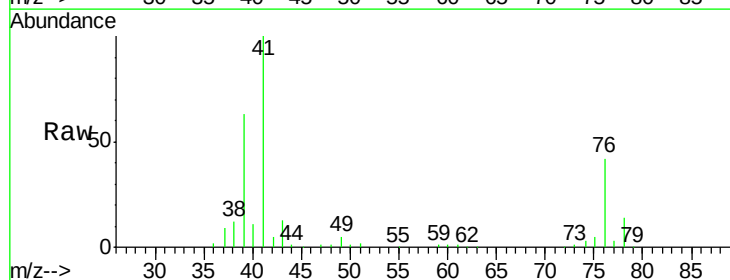
Tgt Ion: 41 Resp: 110304

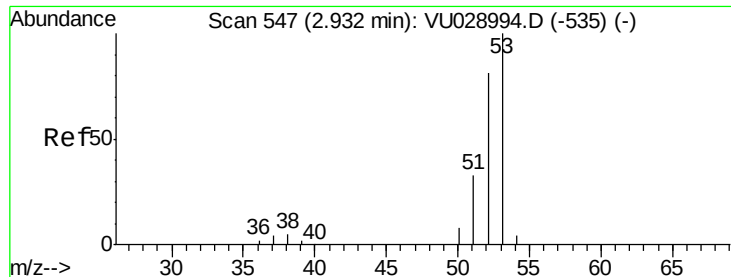
Ion Ratio Lower Upper

41 100

39 53.0 45.0 67.6

76 33.7 28.1 42.1





#15

Acrylonitrile

Concen: 282.620 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Instrument :

MSVOA_U

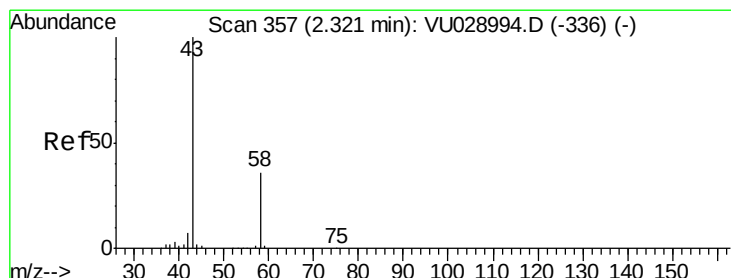
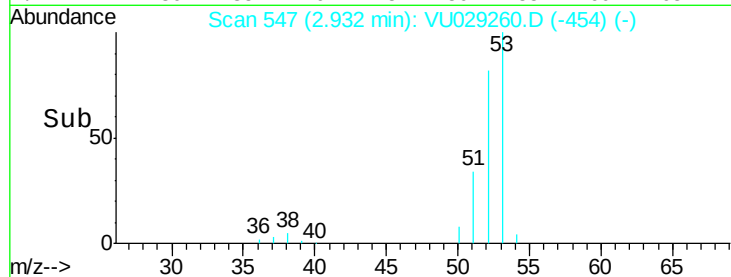
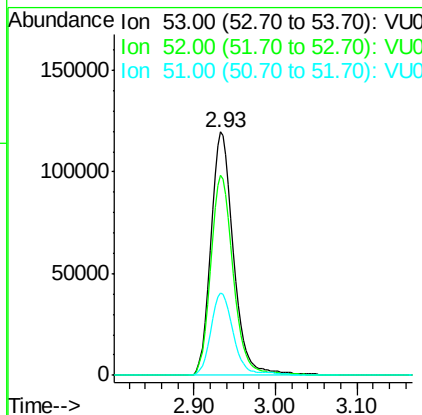
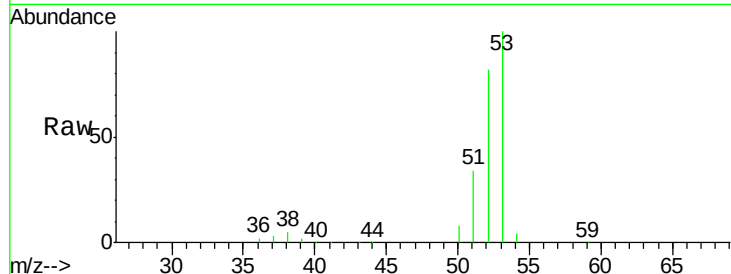
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	235721
Ion	Ratio	Lower	Upper
53	100		
52	81.7	64.8	97.2
51	33.0	27.3	40.9

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#16

Acetone

Concen: 227.372 ug/l

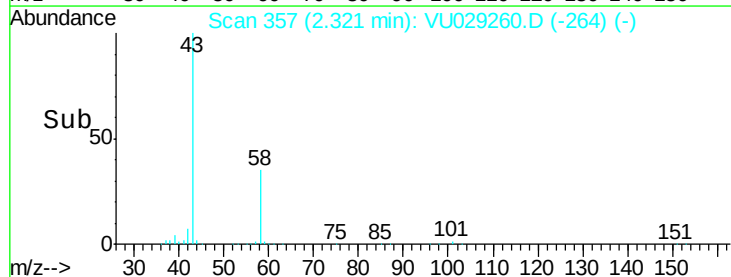
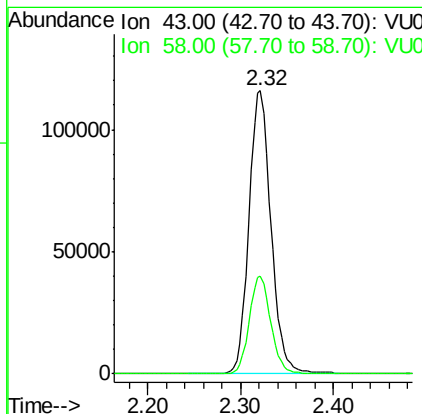
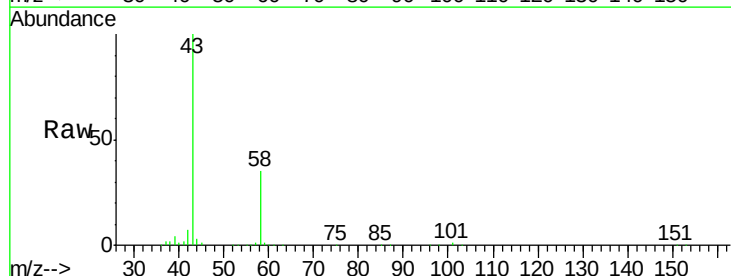
RT: 2.32 min Scan# 357

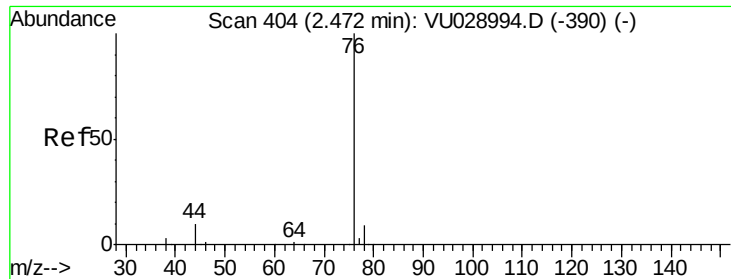
Delta R.T. 0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Tgt Ion:	43	Resp:	191574
Ion	Ratio	Lower	Upper
43	100		
58	34.4	28.6	42.8





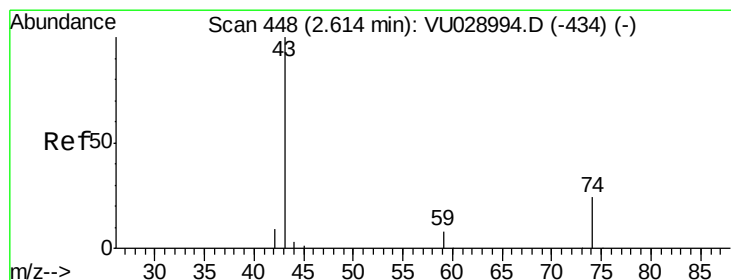
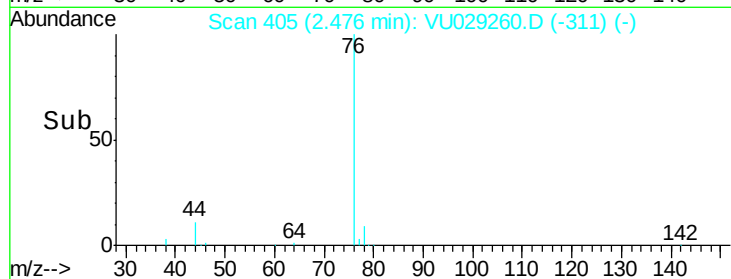
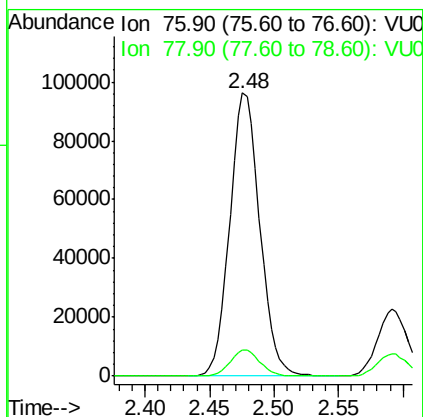
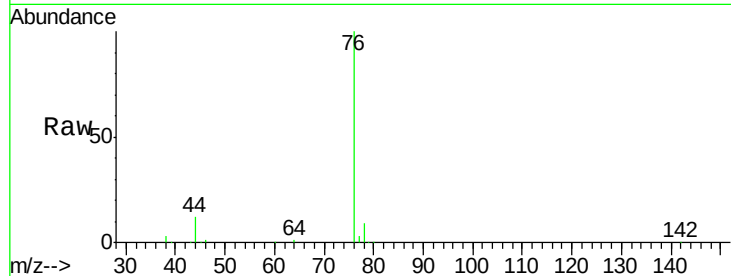
#17
Carbon Disulfide
Concen: 41.857 ug/l
RT: 2.48 min Scan# 405
Delta R.T. 0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 155870
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

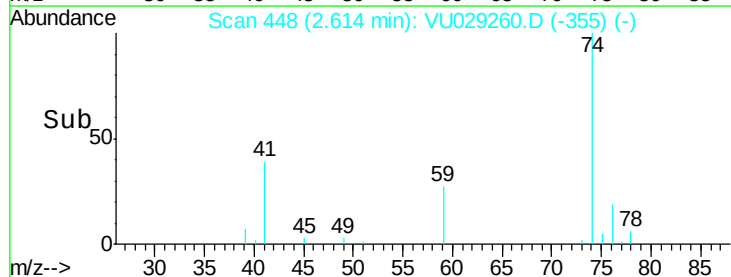
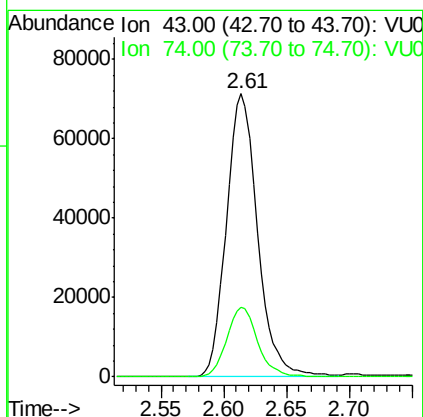
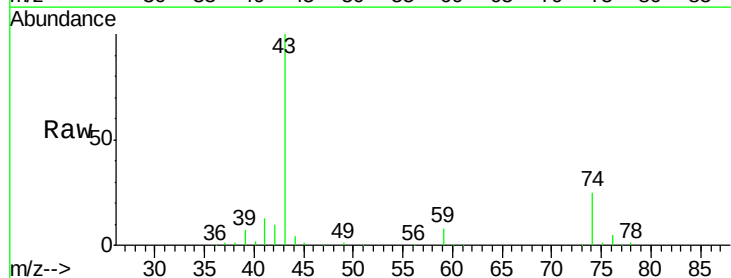
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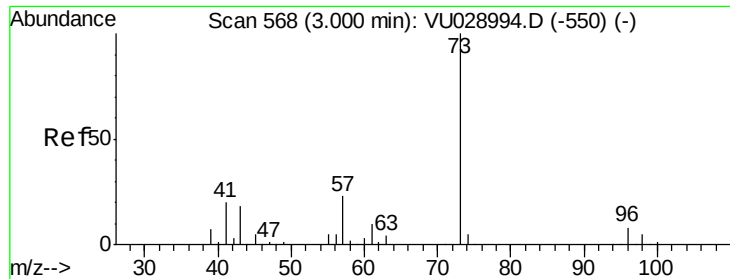
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#18
Methyl Acetate
Concen: 62.997 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Tgt Ion: 43 Resp: 123417
Ion Ratio Lower Upper
43 100
74 24.4 19.5 29.3





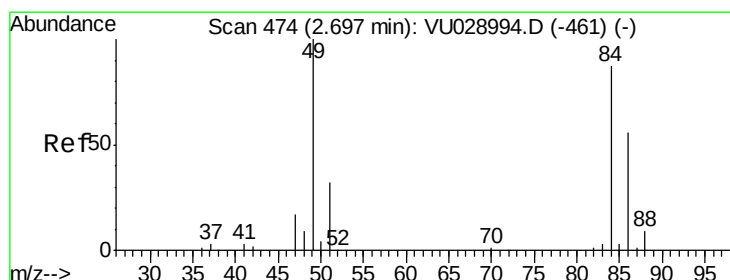
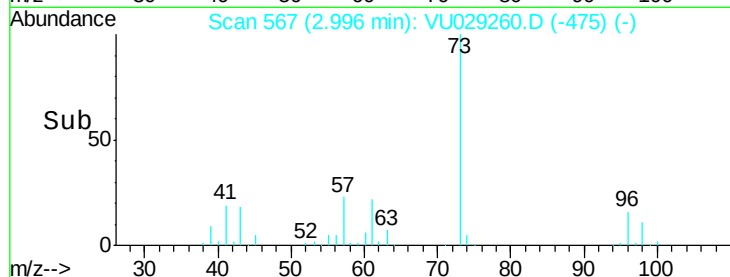
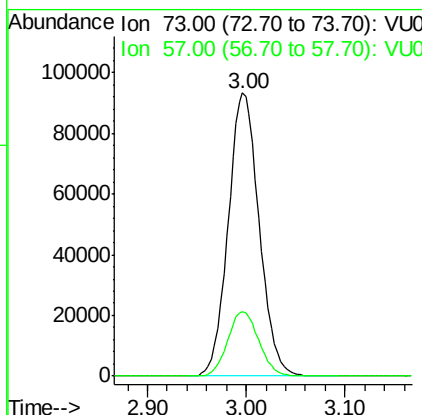
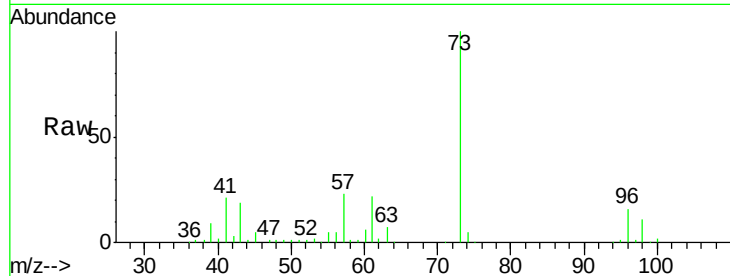
#19
Methyl tert-butyl Ether
Concen: 51.643 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 203735
Ion Ratio Lower Upper
73 100
57 22.7 18.6 28.0

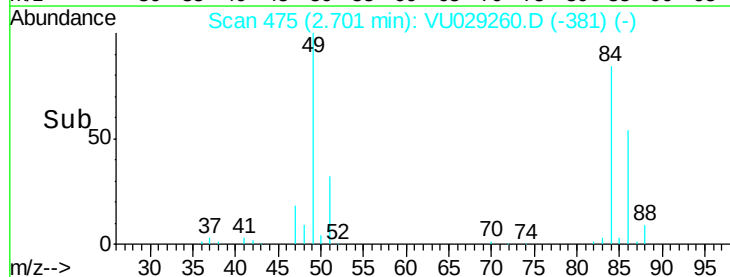
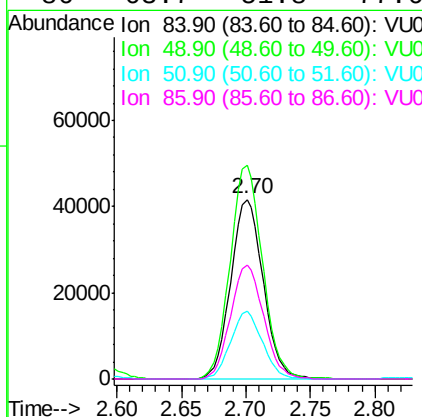
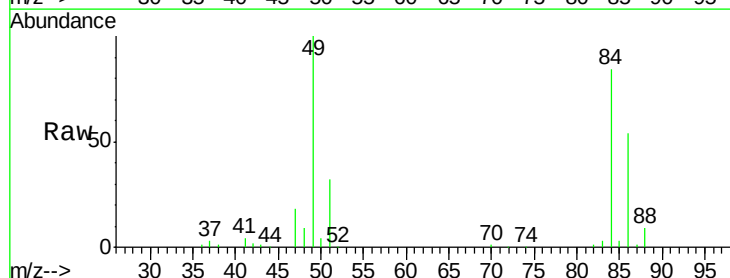
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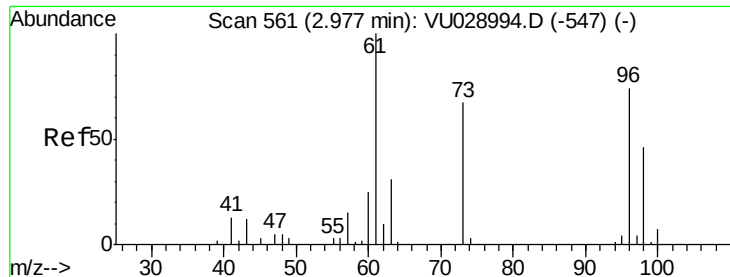
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#20
Methylene Chloride
Concen: 50.839 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Tgt Ion: 84 Resp: 72726
Ion Ratio Lower Upper
84 100
49 118.8 91.9 137.9
51 37.4 29.2 43.8
86 63.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 46.248 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 60293

Ion Ratio Lower Upper

96 100

61 142.4 107.7 161.5

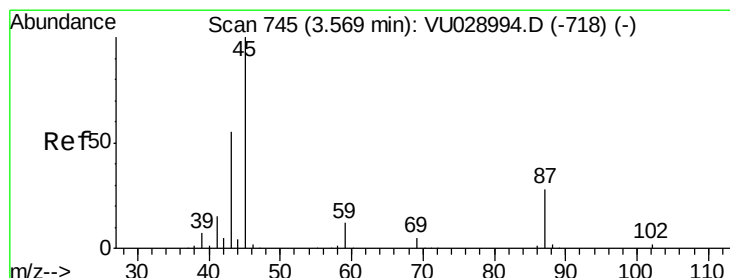
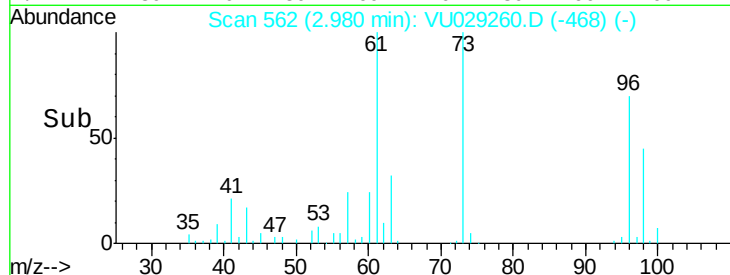
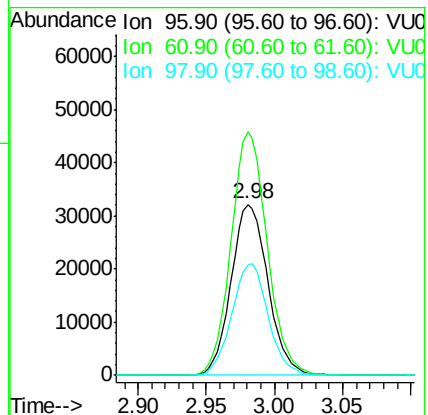
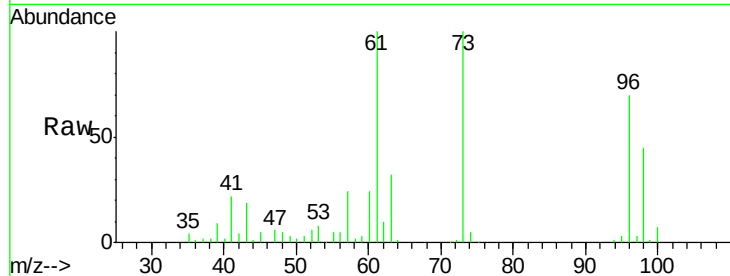
98 64.8 49.2 73.8

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#22

Diisopropyl ether

Concen: 54.519 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Tgt Ion: 45 Resp: 221846

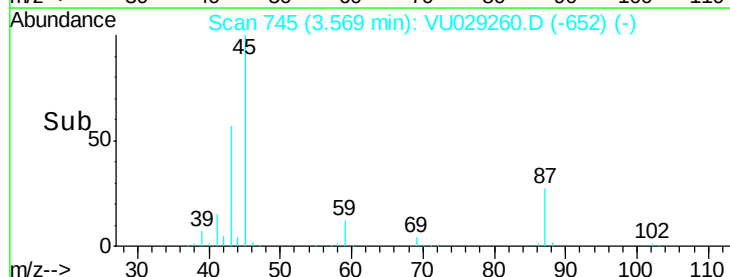
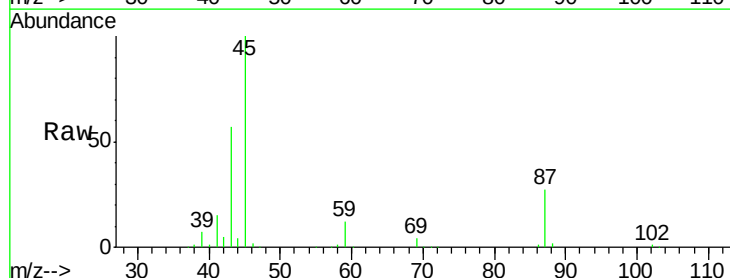
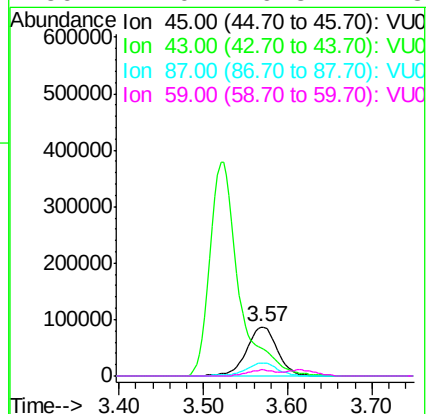
Ion Ratio Lower Upper

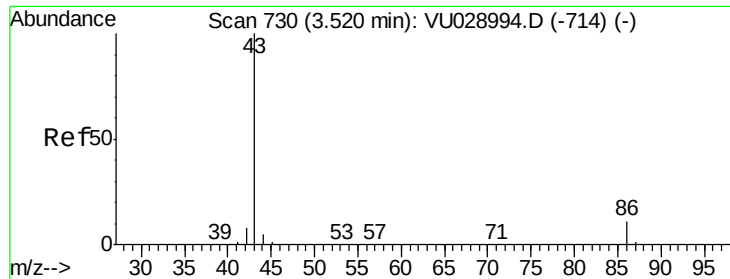
45 100

43 56.5 44.7 67.1

87 26.7 22.2 33.2

59 12.0 9.8 14.8





#23

Vinyl Acetate

Concen: 272.962 ug/l

RT: 3.52 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 908019

Ion Ratio Lower Upper

43 100

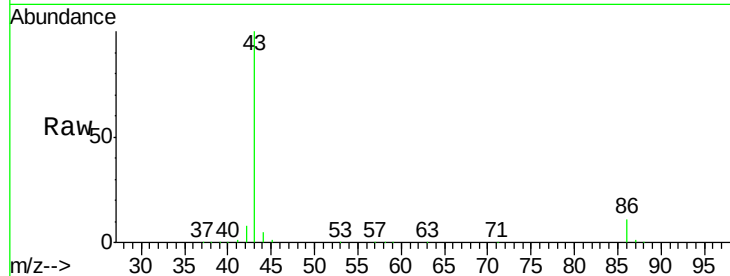
86 10.5 8.6 13.0

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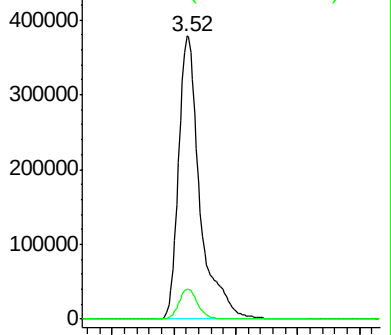
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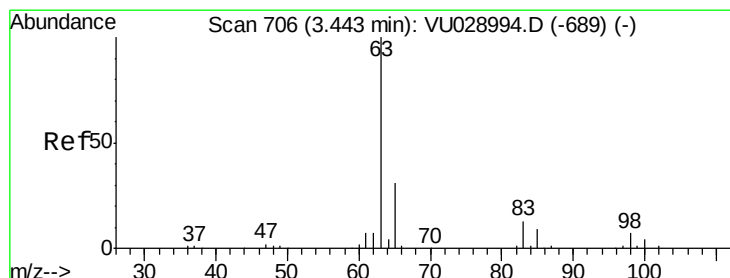
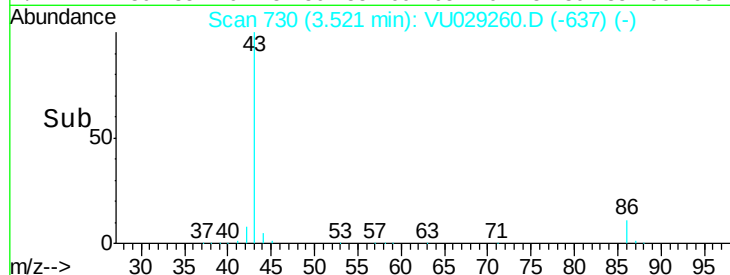


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



Time-->



#24

1,1-Dichloroethane

Concen: 53.440 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

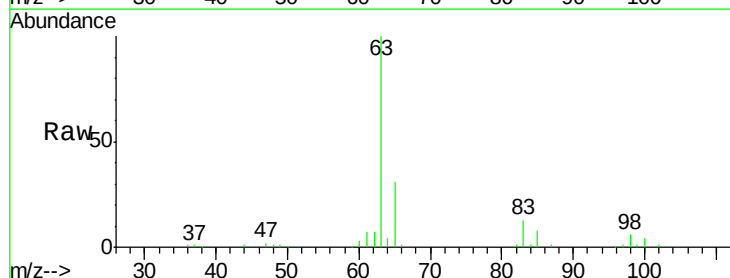
Tgt Ion: 63 Resp: 125531

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

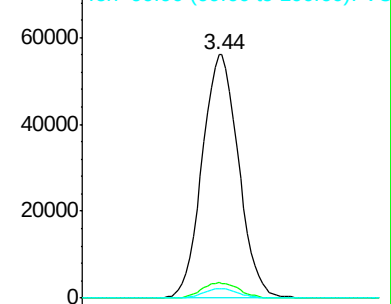
100 3.8 2.0 5.8



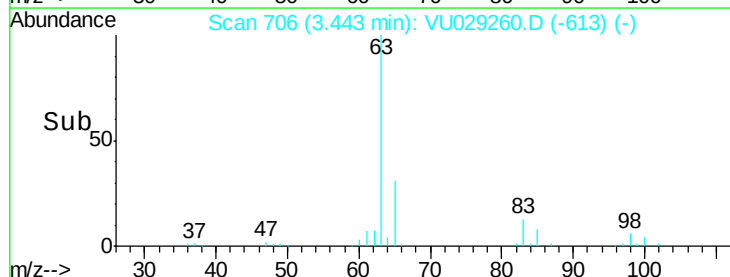
Abundance Ion 62.90 (62.60 to 63.60): VU0

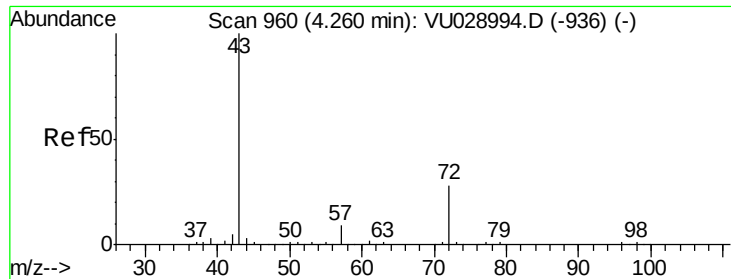
Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0



Time-->





#25

2-Butanone

Concen: 274.720 ug/l

RT: 4.26 min Scan# 959

Delta R.T. -0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 312631

Ion Ratio Lower Upper

43 100

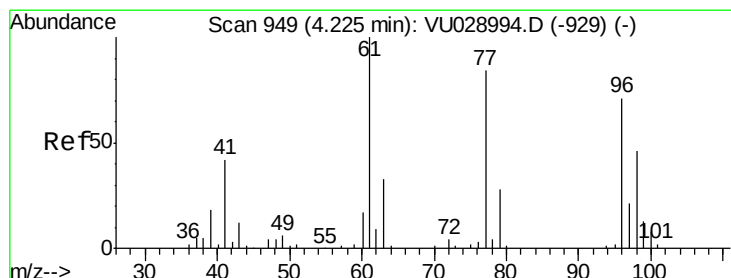
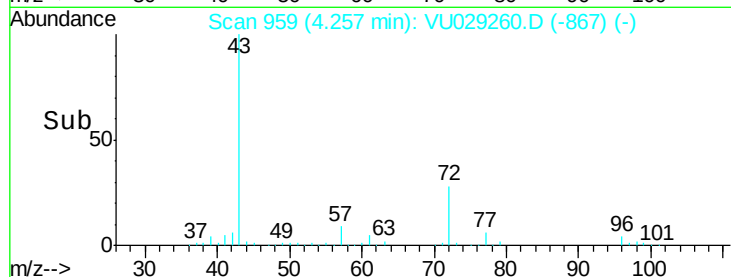
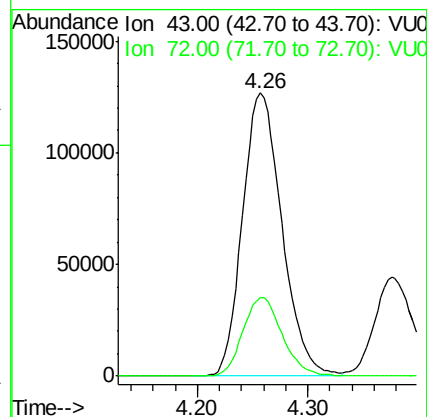
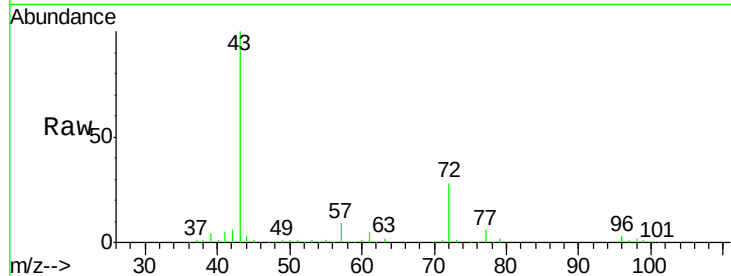
72 27.7 22.6 33.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.382 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU029260.D

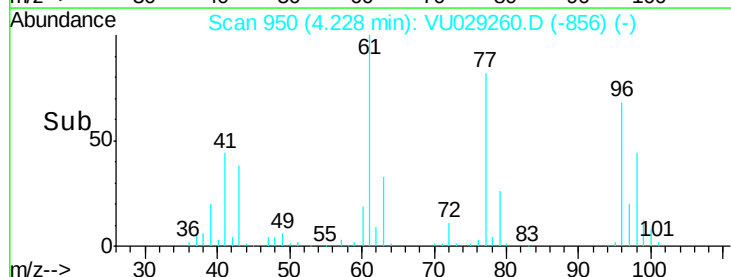
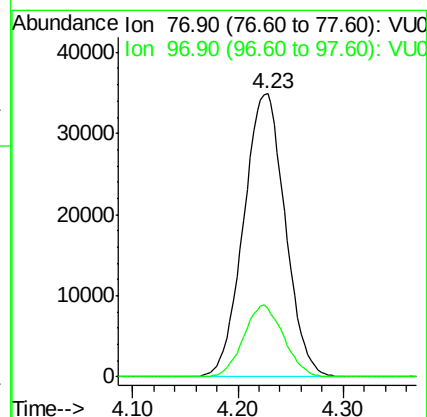
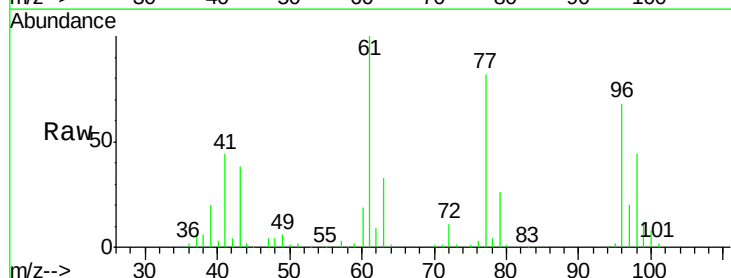
Acq: 21 Jan 2019 19:44

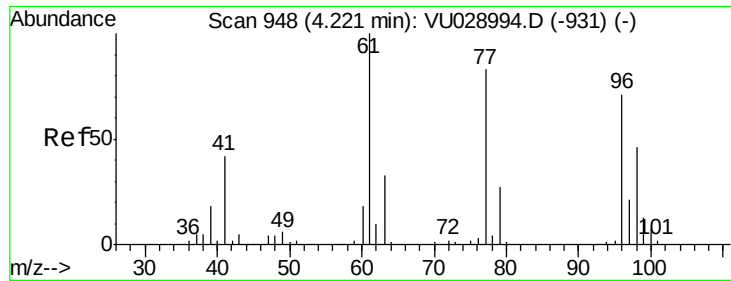
Tgt Ion: 77 Resp: 95627

Ion Ratio Lower Upper

77 100

97 24.5 12.0 36.1





#27

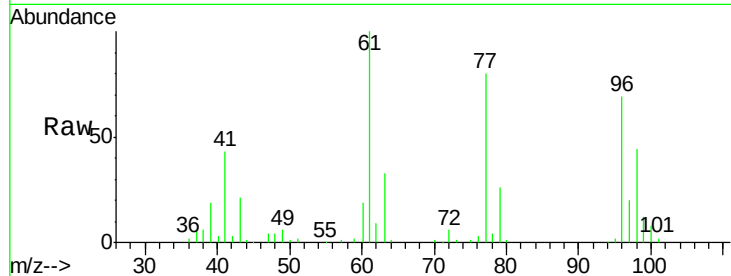
cis-1,2-Dichloroethene
Concen: 51.081 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.6	0.0	285.6
98	64.4	0.0	130.2

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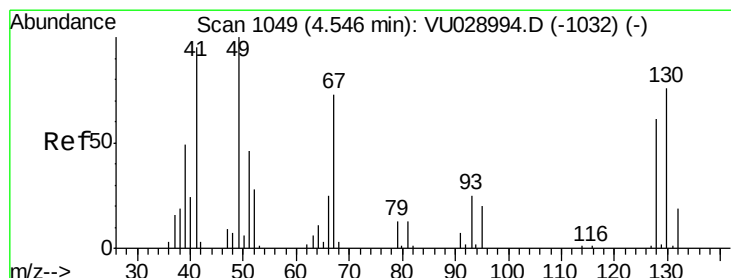
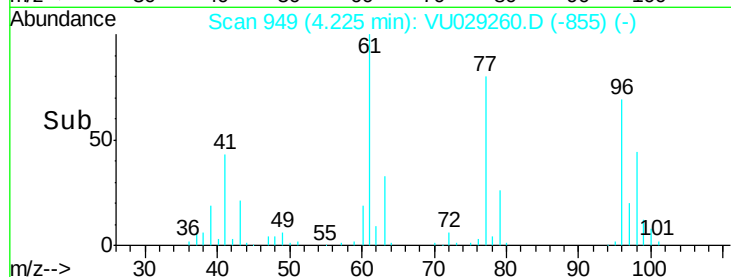
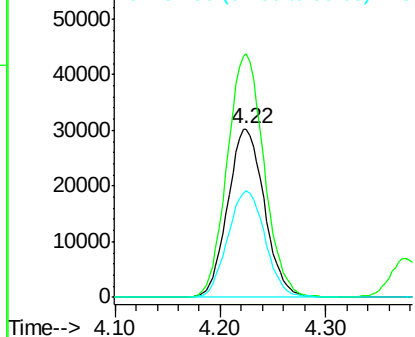


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

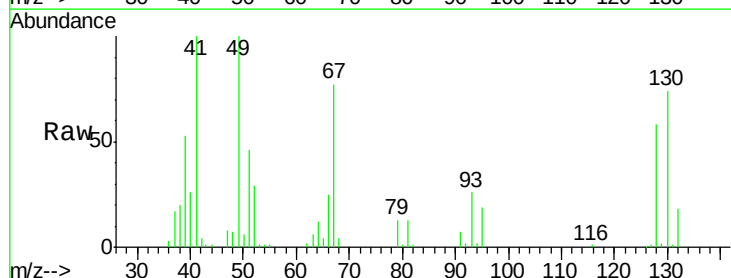
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
Concen: 52.856 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.4
130	73.7	62.9	94.3

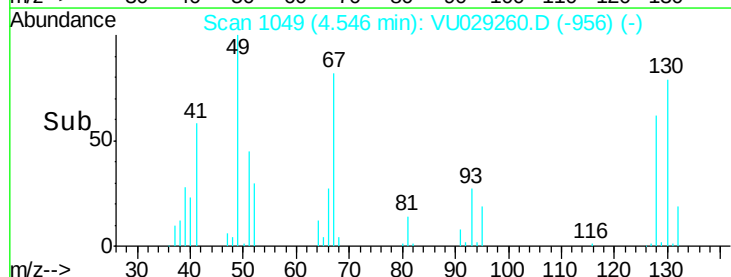
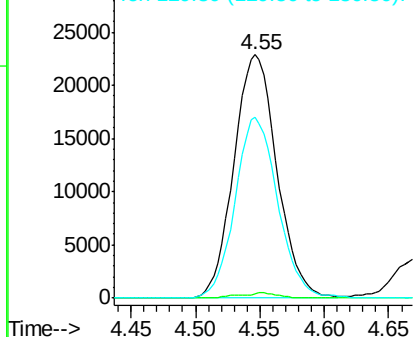


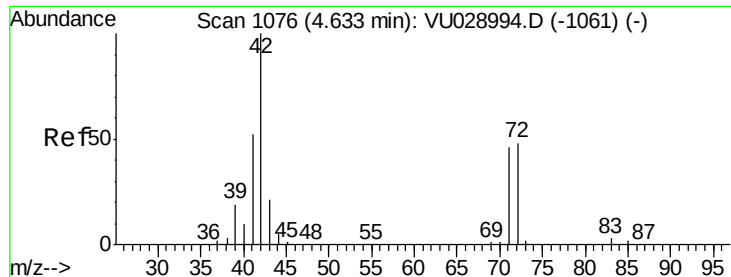
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 284.939 ug/l

RT: 4.63 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Instrument :

MSVOA_U

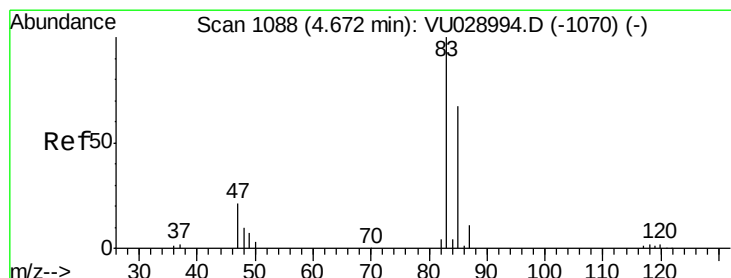
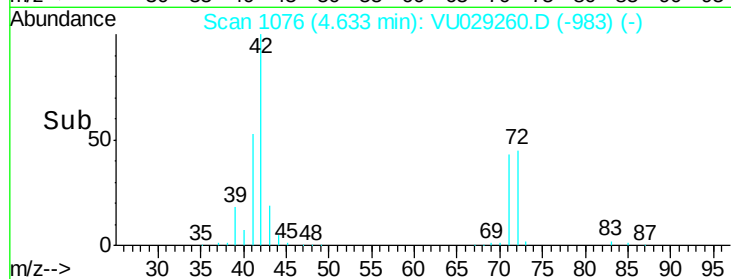
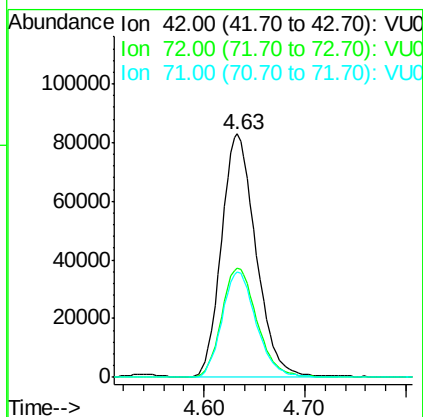
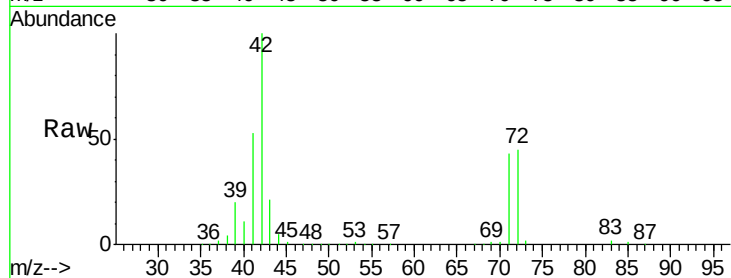
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	196669
Ion	Ratio	Lower	Upper
42	100		
72	46.4	38.3	57.5
71	43.2	36.1	54.1

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#30

Chloroform

Concen: 52.450 ug/l

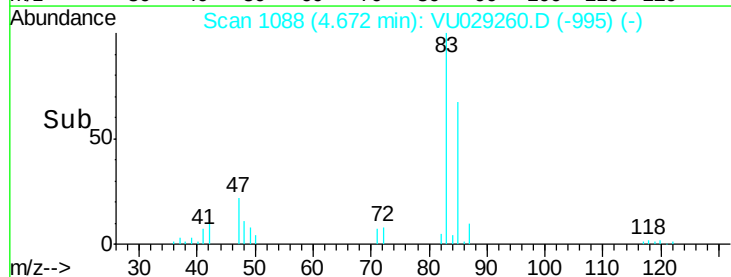
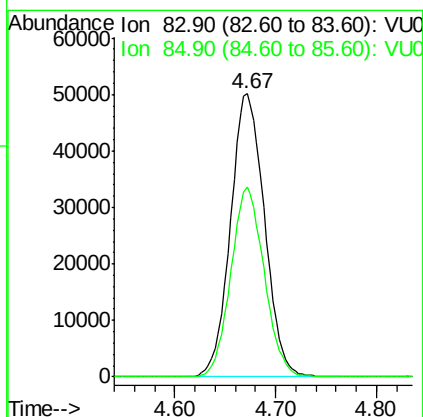
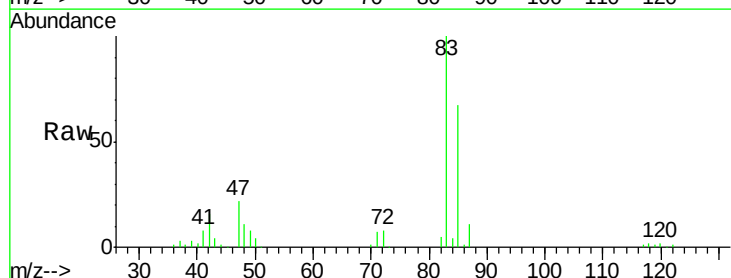
RT: 4.67 min Scan# 1088

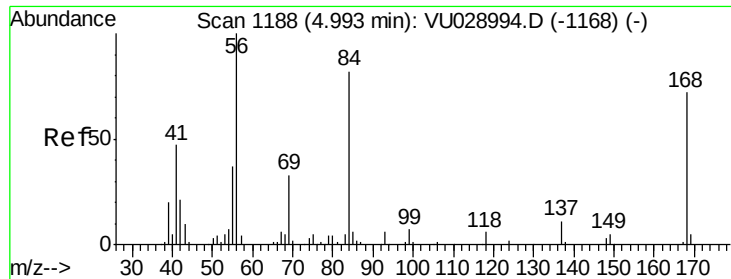
Delta R.T. 0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Tgt Ion:	83	Resp:	117351
Ion	Ratio	Lower	Upper
83	100		
85	67.1	53.4	80.0





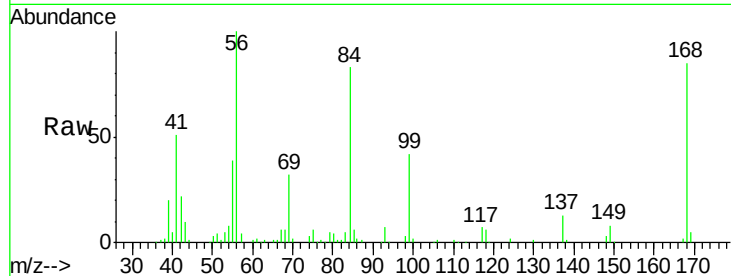
#31
Cyclohexane
Concen: 48.387 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

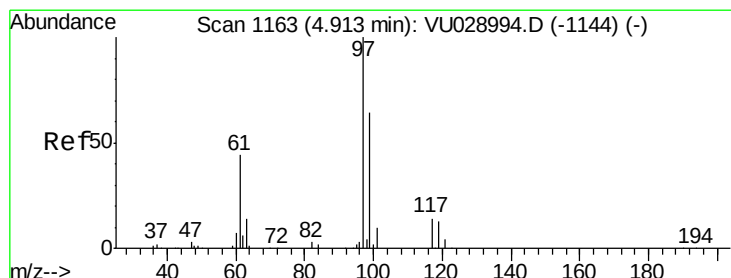
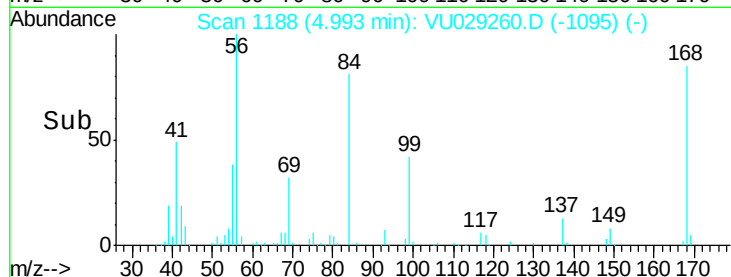
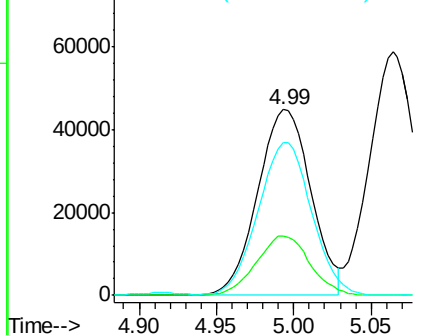
Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	26.7	40.1
84	81.9	65.7	98.5

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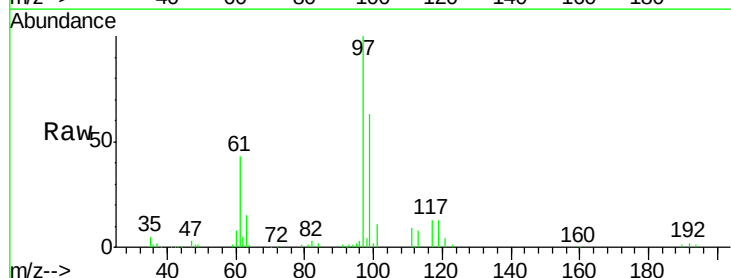


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

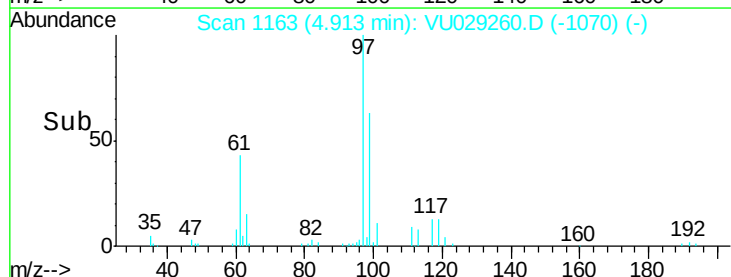
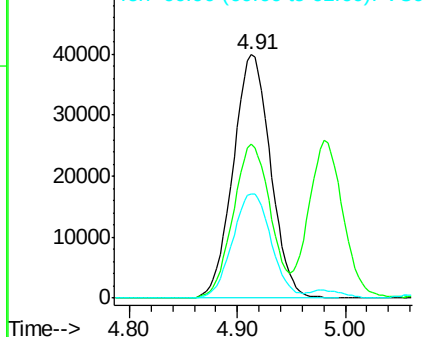


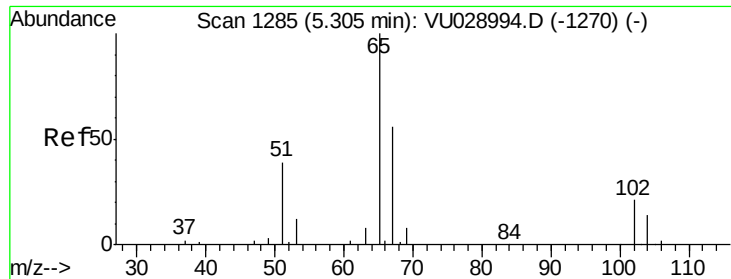
#32
1,1,1-Trichloroethane
Concen: 52.114 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.0	76.4
61	44.2	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





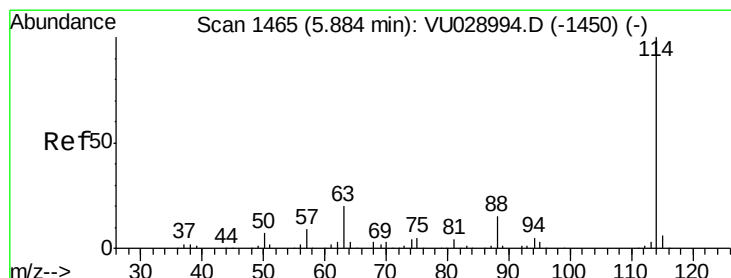
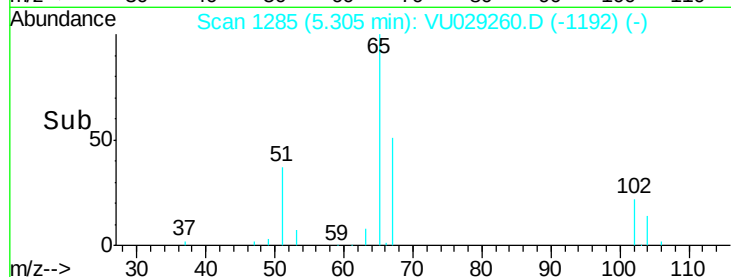
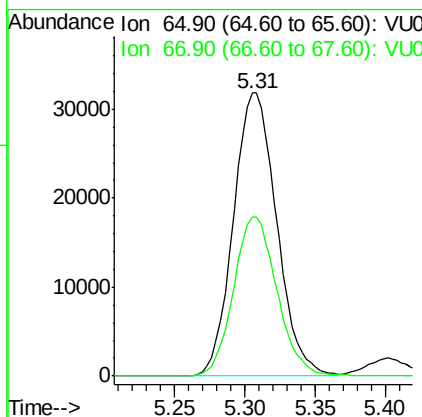
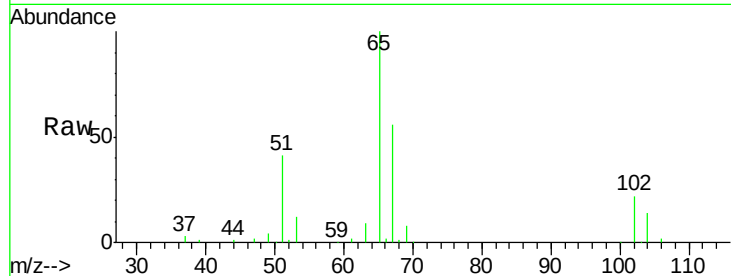
#33
 1,2-Dichloroethane-d4
 Concen: 51.160 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029260.D
 Acq: 21 Jan 2019 19:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	56.2	0.0	111.0

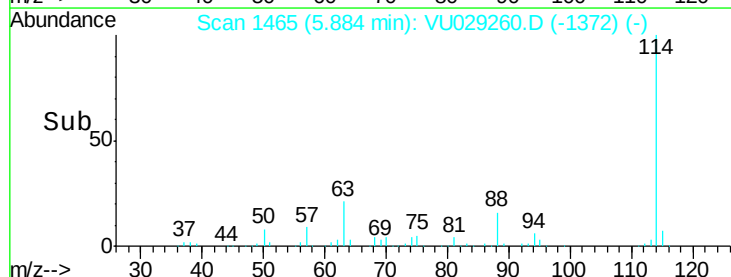
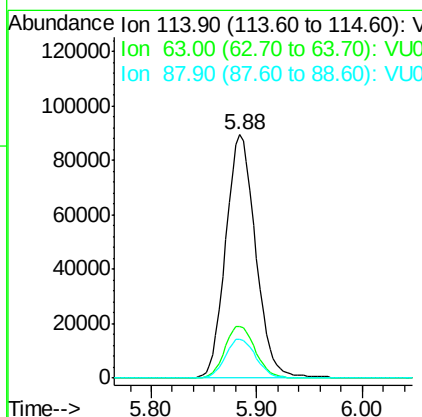
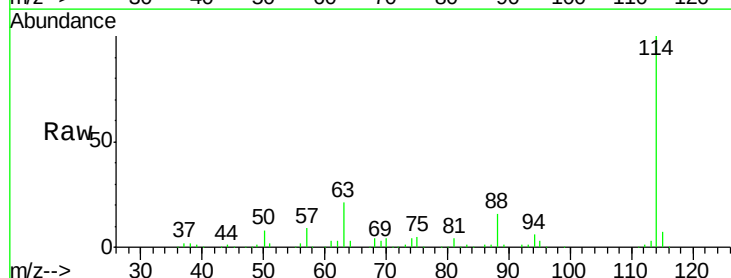
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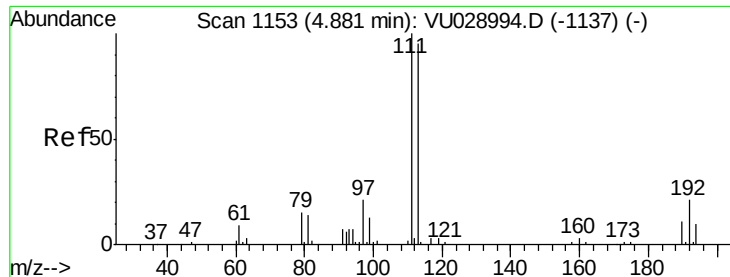
MMDadoda
 1/22/2019 10:40:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029260.D
 Acq: 21 Jan 2019 19:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	40.2
88	16.1	0.0	30.4





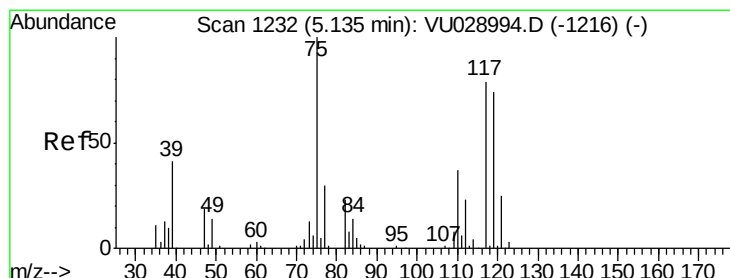
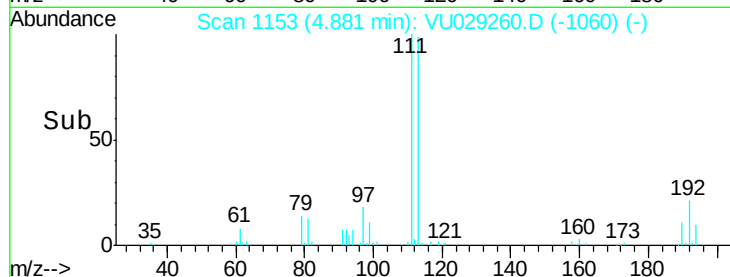
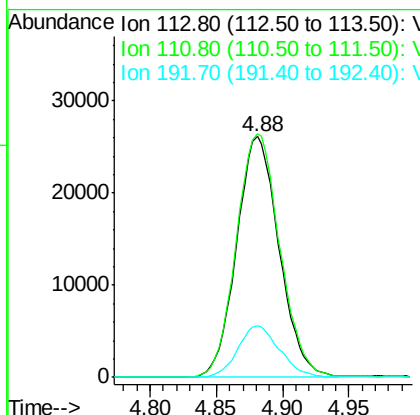
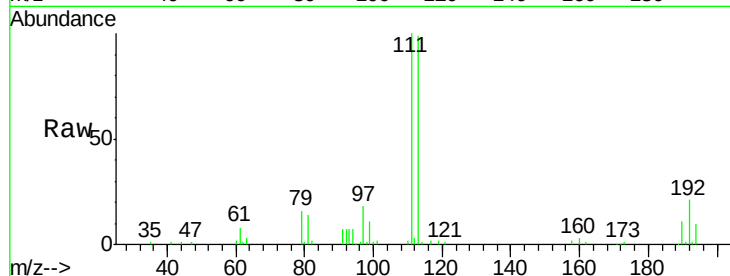
#35
 Dibromofluoromethane
 Concen: 51.000 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029260.D
 Acq: 21 Jan 2019 19:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	58152		
111	103.6		81.4	122.2
192	21.1		16.8	25.2

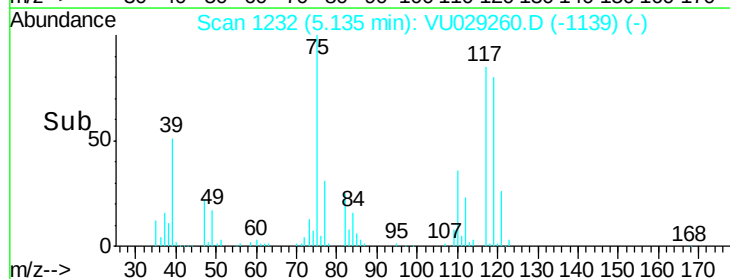
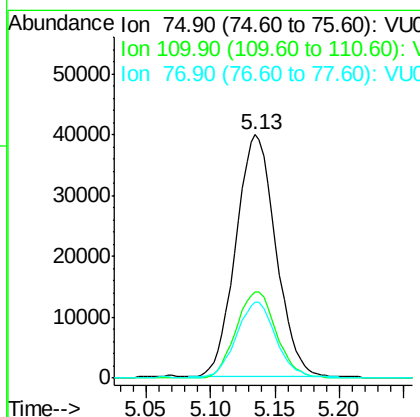
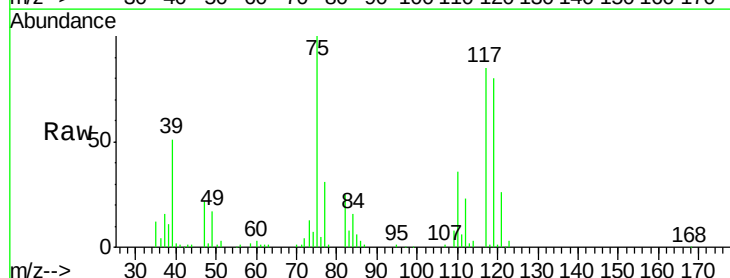
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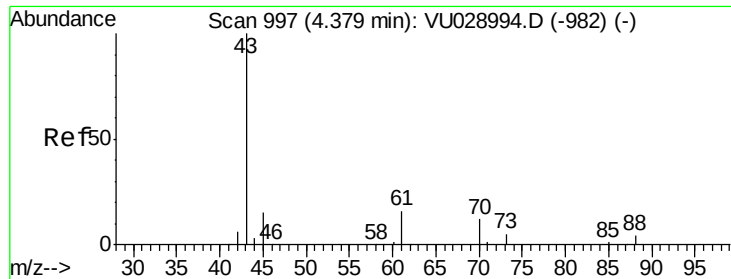
MMDadoda
 1/22/2019 10:40:34 AM



#36
 1,1-Dichloropropene
 Concen: 48.858 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU029260.D
 Acq: 21 Jan 2019 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	85902		
110	35.9		18.4	55.4
77	31.3		25.1	37.7





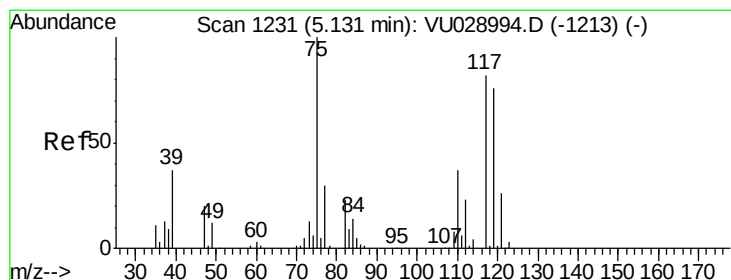
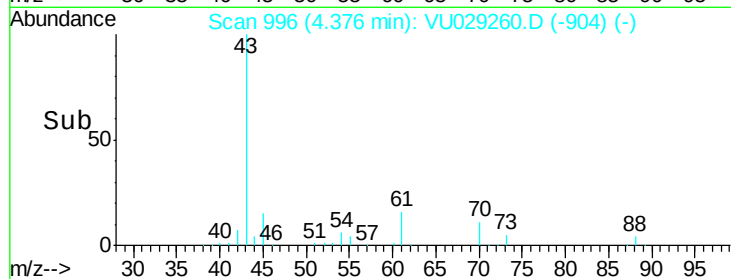
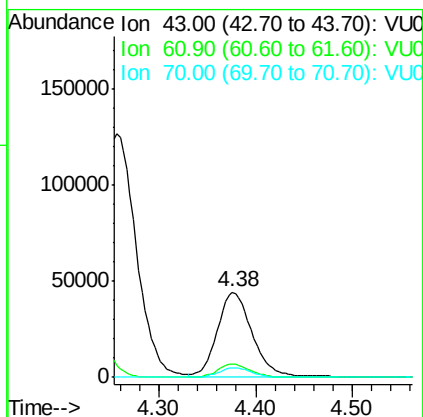
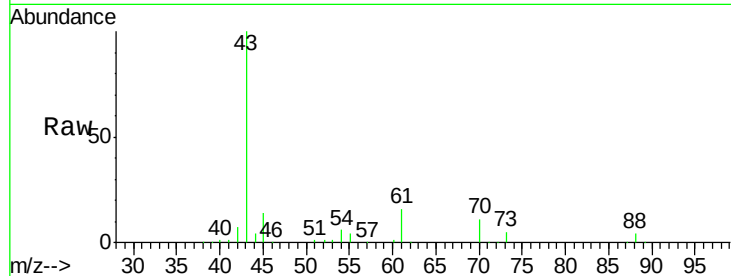
#37
Ethyl Acetate
Concen: 56.592 ug/l
RT: 4.38 min Scan# 996
Delta R.T. -0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Instrument :
MSVOA_U
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	12.6	18.8
70	10.9	9.3	13.9

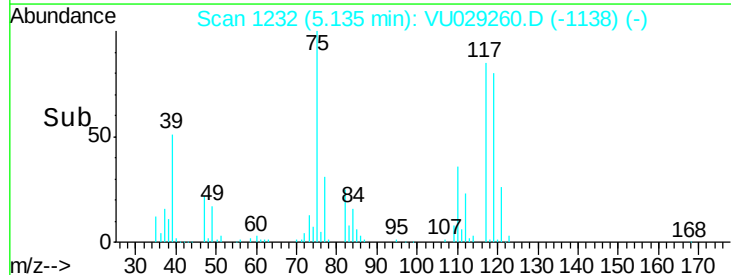
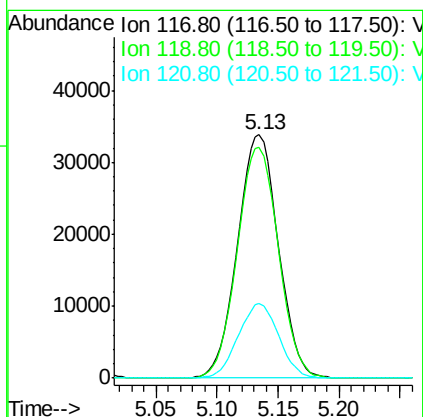
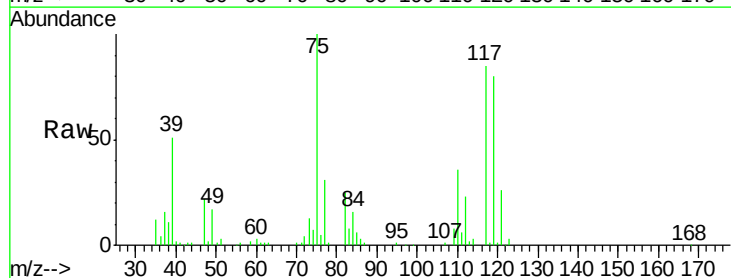
Manual Integrations
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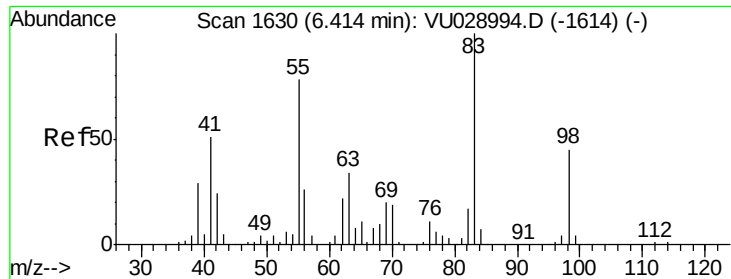
MMDadoda
1/22/2019 10:40:34 AM



#38
Carbon Tetrachloride
Concen: 53.317 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	74.6	111.8
121	30.7	25.0	37.6





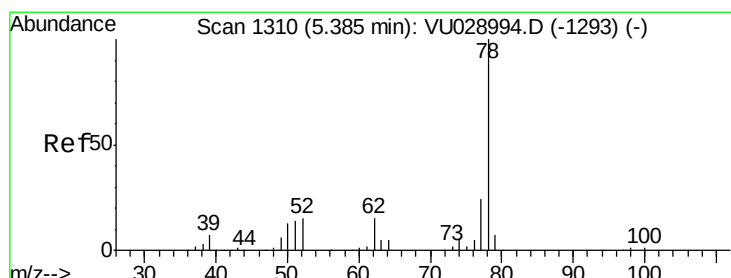
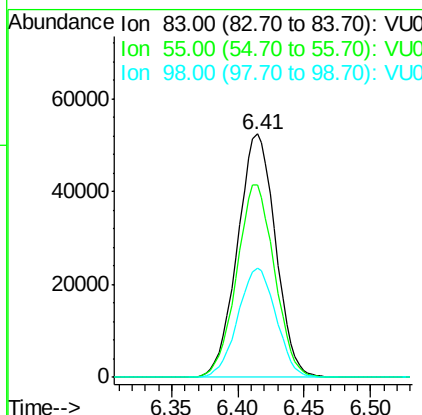
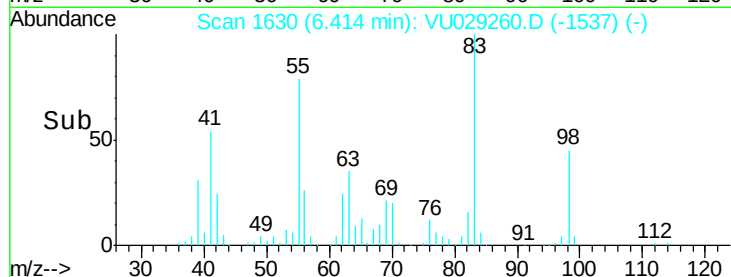
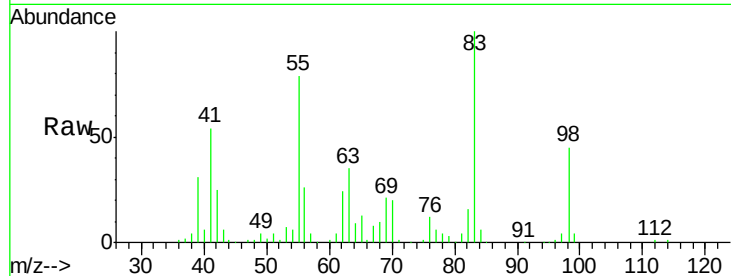
#39
Methylvlcyclohexane
Concen: 48.361 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	104532
Ion	Ratio	Lower	Upper
83	100		
55	79.3	62.4	93.6
98	44.8	36.2	54.2

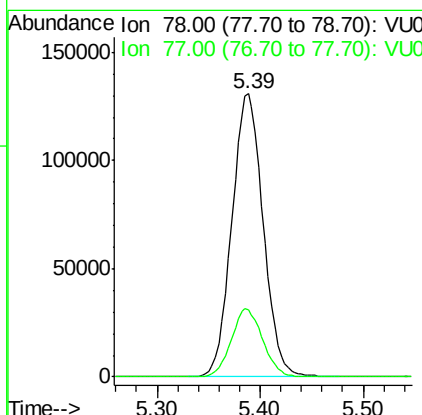
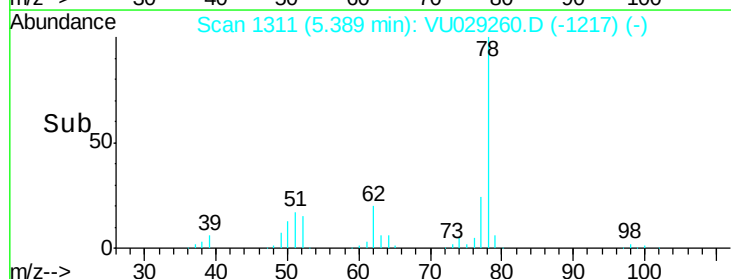
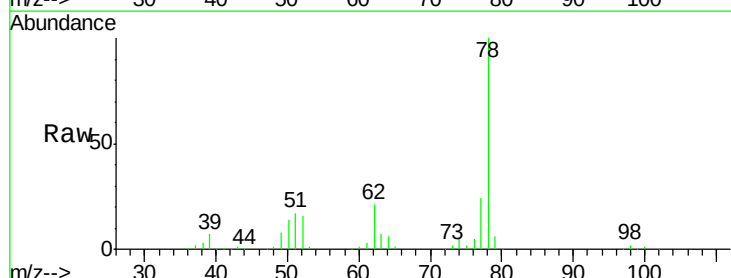
Manual Integrations
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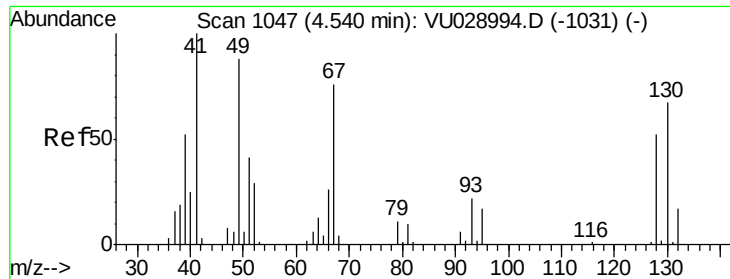
MMDadoda
1/22/2019 10:40:34 AM



#40
Benzene
Concen: 50.399 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Tgt Ion	78	Resp	276403
Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





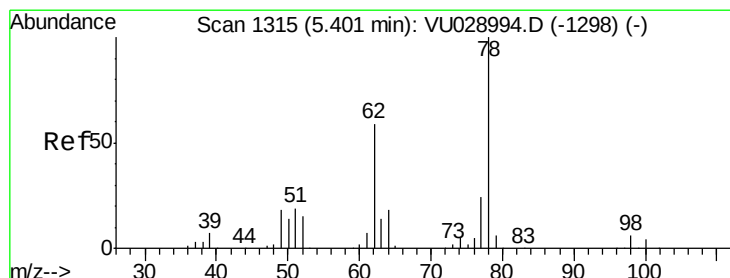
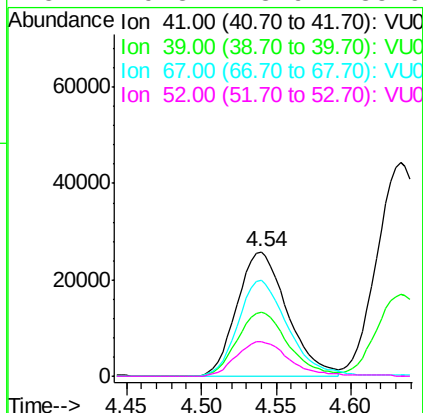
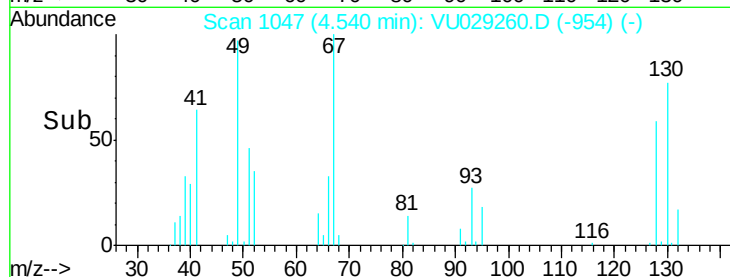
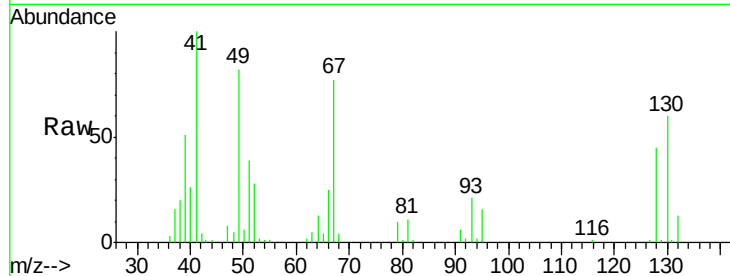
#41
Methacrylonitrile
Concen: 58.684 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.8	42.3	63.5	
67	77.1	64.4	96.6	
52	29.3	23.9	35.9	

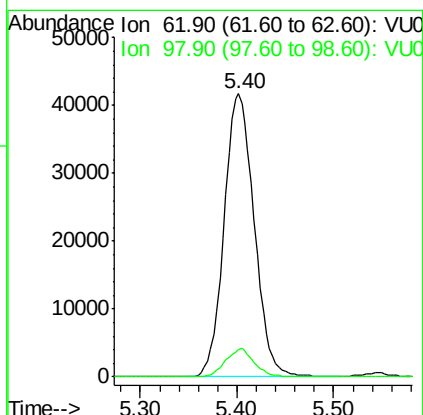
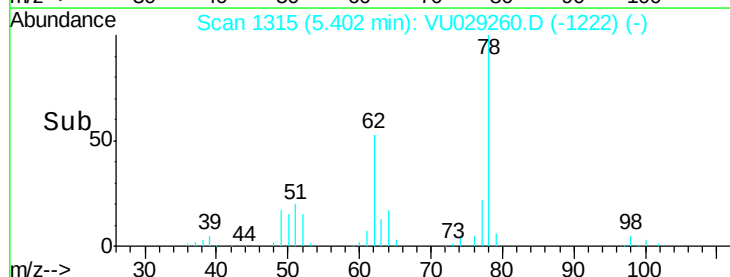
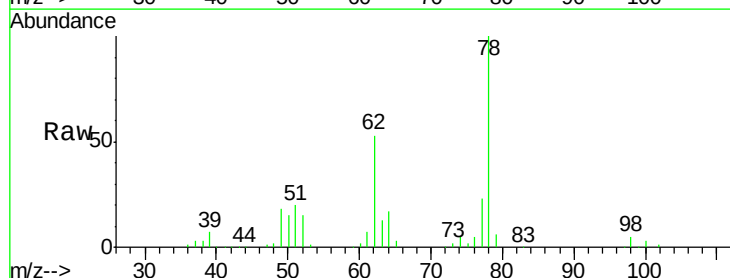
Manual Integrations
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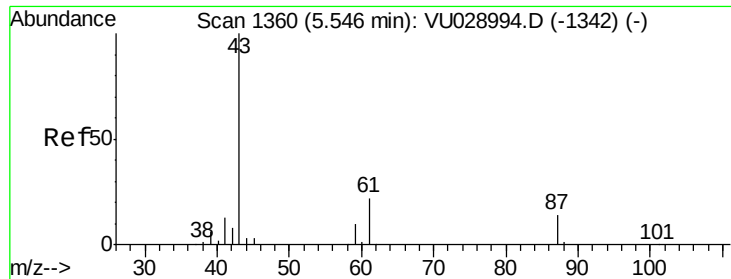
MMDadoda
1/22/2019 10:40:34 AM



#42
1,2-Dichloroethane
Concen: 54.652 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	19.6	





#43

Isopropyl Acetate

Concen: 57.507 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Instrument :

MSVOA_U

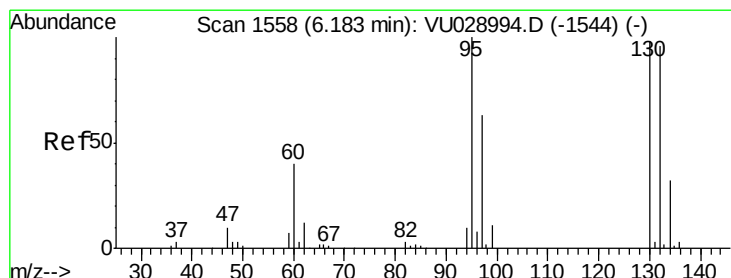
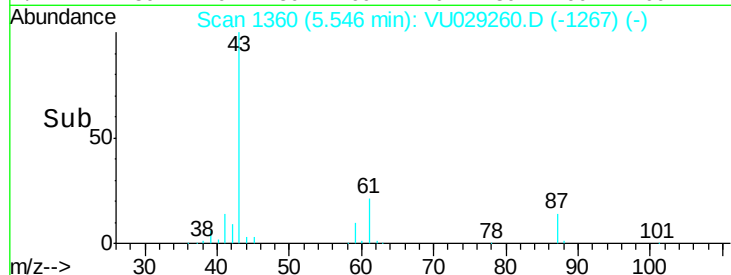
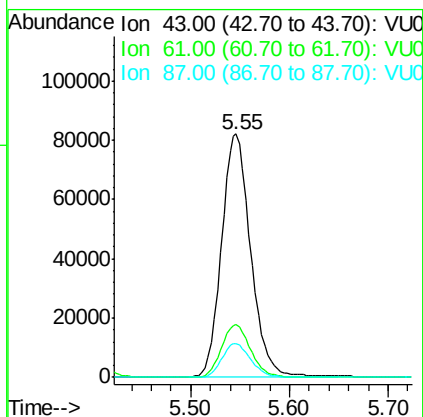
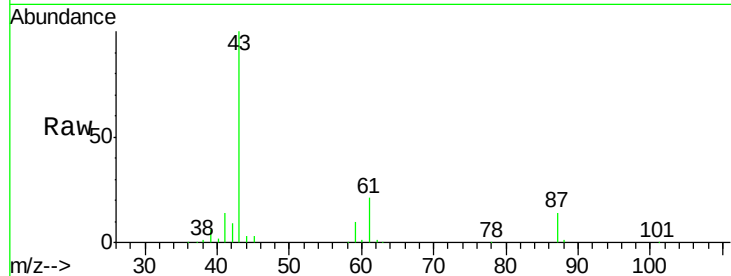
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	170247
Ion	Ratio	Lower	Upper
43	100		
61	21.7	17.8	26.6
87	13.8	11.3	16.9

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#44

Trichloroethene

Concen: 48.891 ug/l

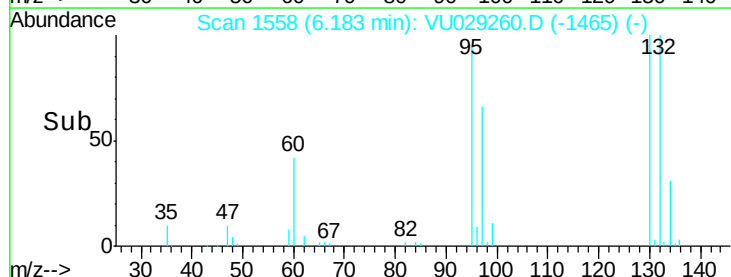
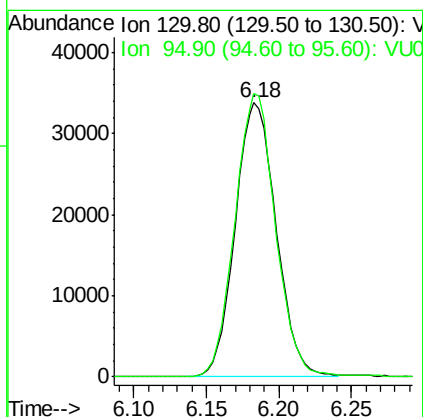
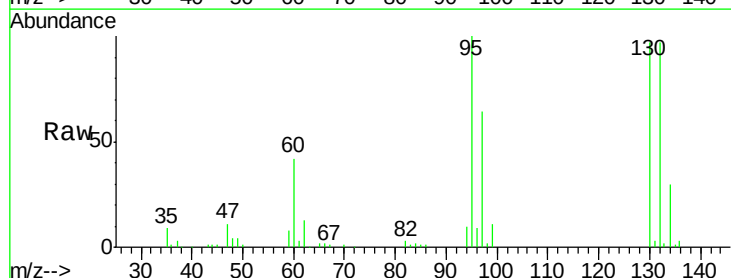
RT: 6.18 min Scan# 1558

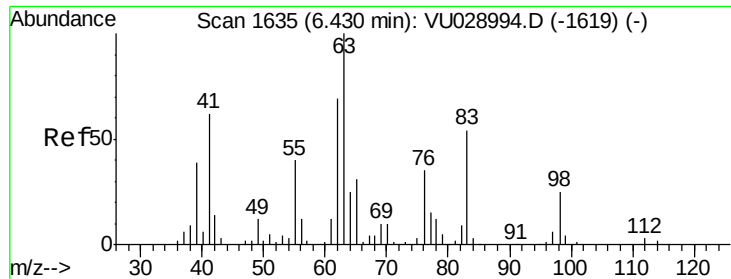
Delta R.T. 0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Tgt Ion:	130	Resp:	66436
Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	205.0





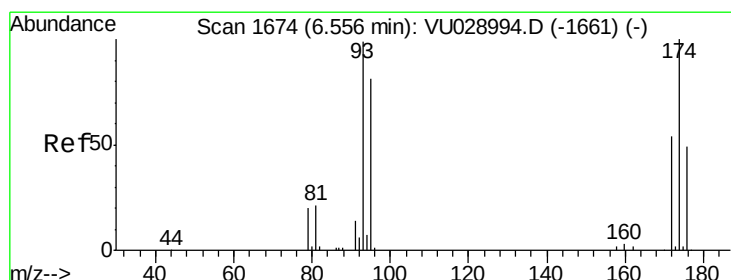
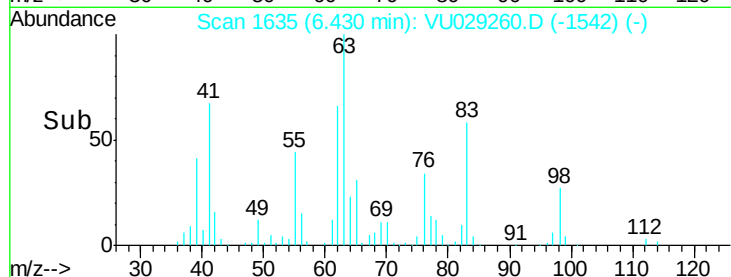
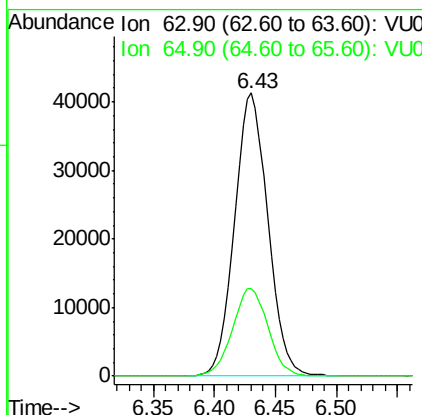
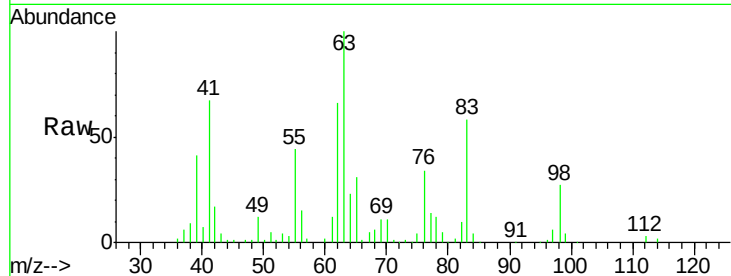
#45
 1,2-Dichloropropane
 Concen: 54.019 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU029260.D
 Acq: 21 Jan 2019 19:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 78235
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.1 37.7

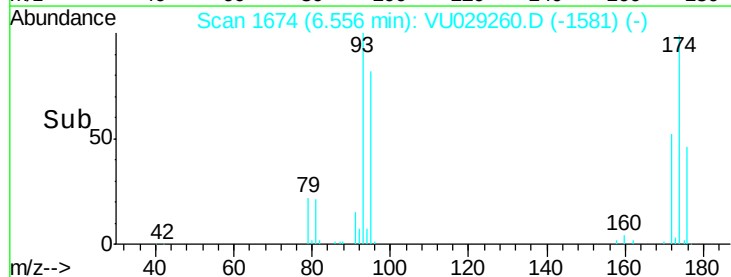
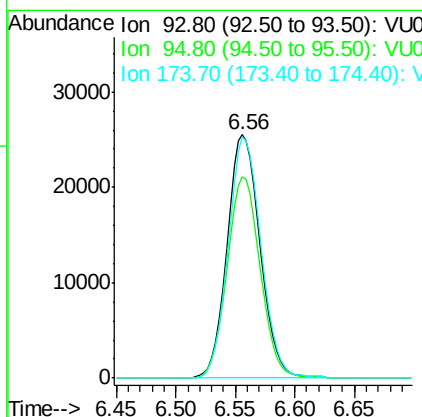
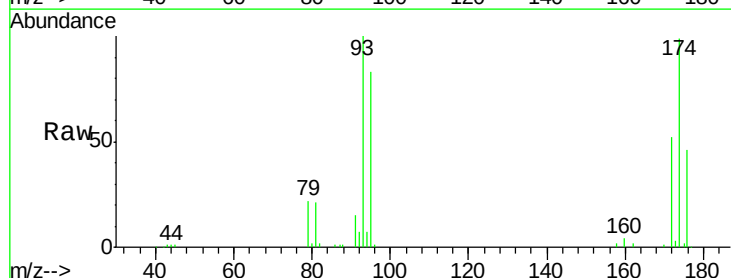
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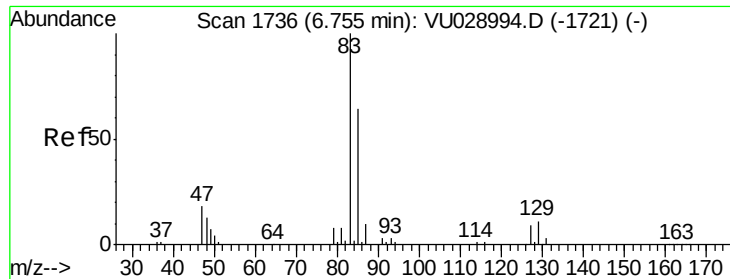
MMDadoda
 1/22/2019 10:40:34 AM



#46
 Dibromomethane
 Concen: 52.880 ug/l
 RT: 6.56 min Scan# 1674
 Delta R.T. 0.00 min
 Lab File: VU029260.D
 Acq: 21 Jan 2019 19:44

Tgt Ion: 93 Resp: 48958
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.2 100.8
 174 98.4 82.6 123.8





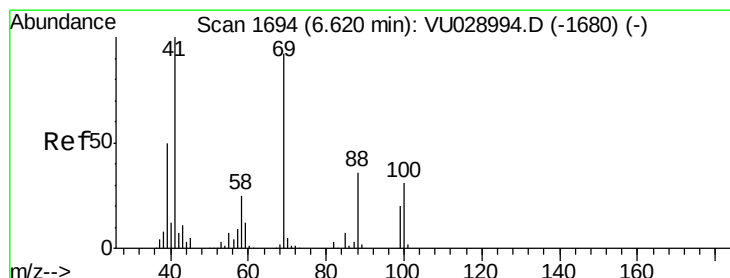
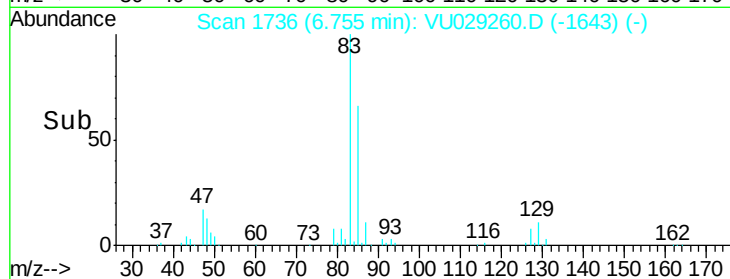
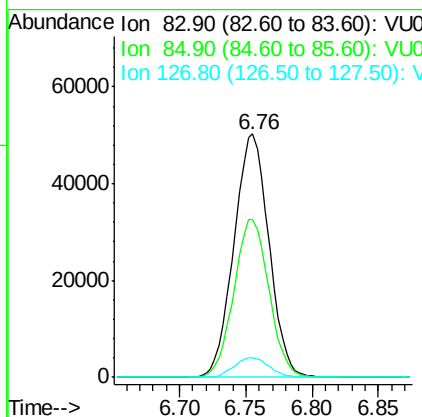
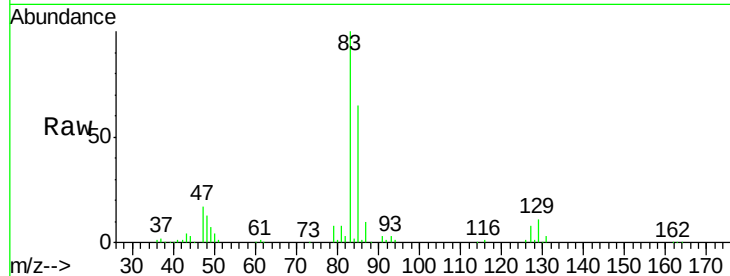
#47
Bromodichloromethane
Concen: 54.176 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	92350
Ion Ratio	100	Lower	Upper
83	100		
85	64.9	51.4	77.2
127	8.0	7.0	10.4

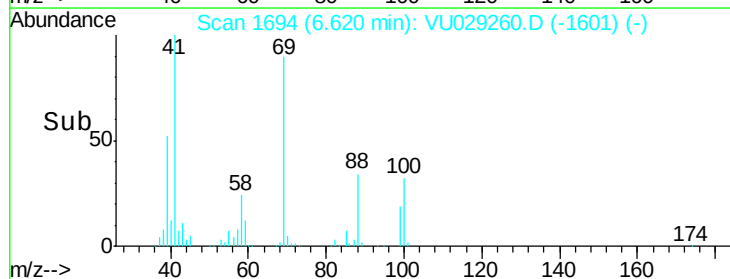
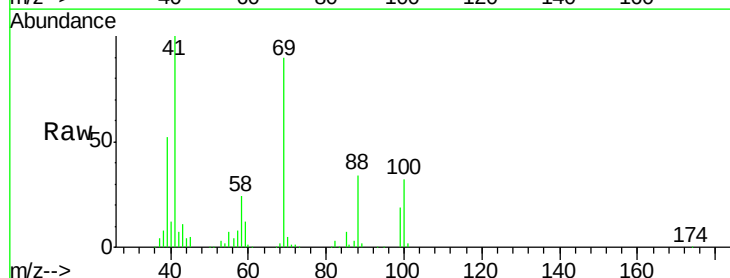
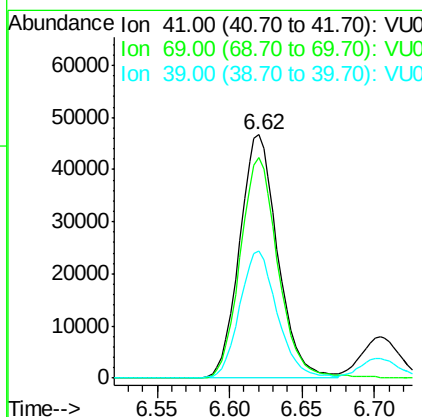
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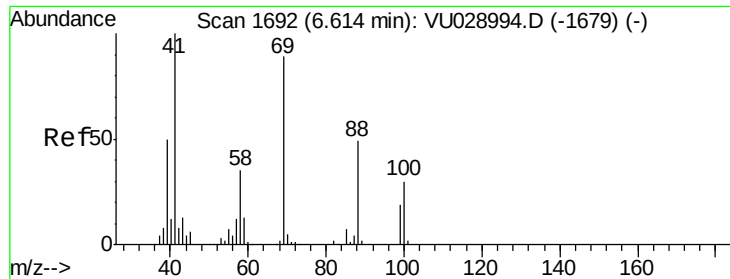
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1/22/2019 10:40:34 AM



#48
Methyl methacrylate
Concen: 59.082 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Tgt Ion	41	Resp	85168
Ion Ratio	100	Lower	Upper
41	100		
69	90.3	73.6	110.4
39	51.5	39.6	59.4





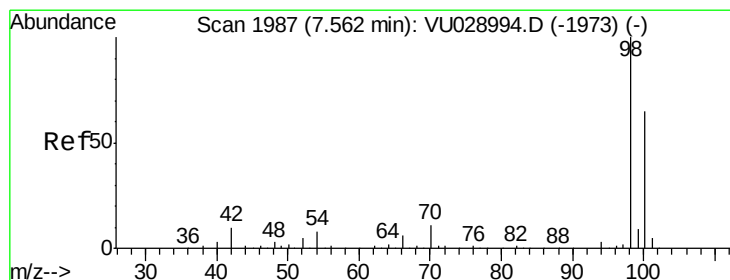
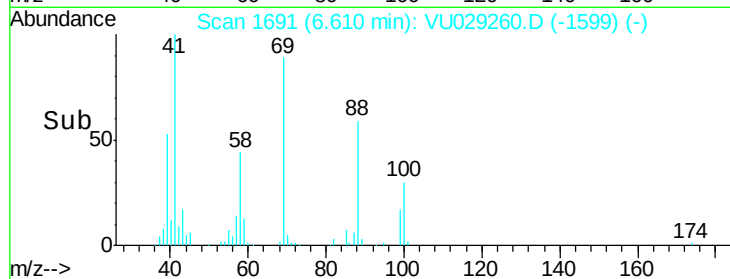
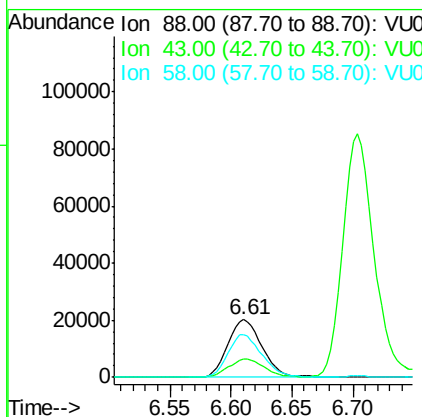
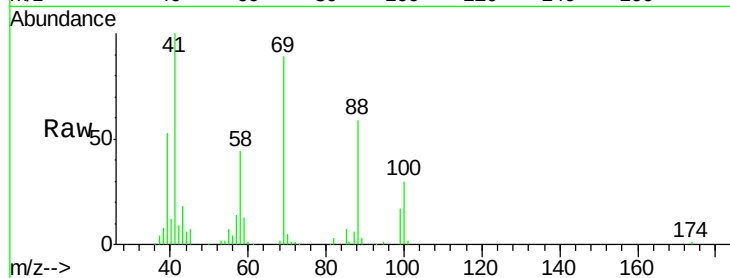
#49
1,4-Dioxane
Concen: 1139.600 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	23.0	34.4
58	74.9	57.9	86.9

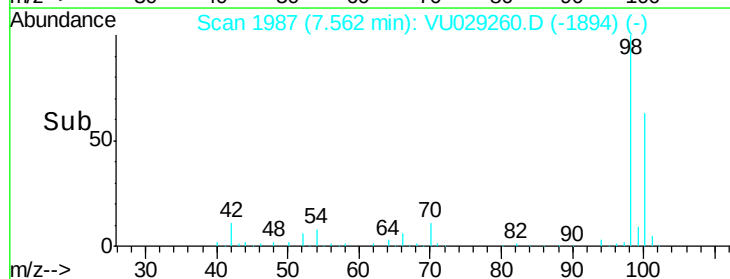
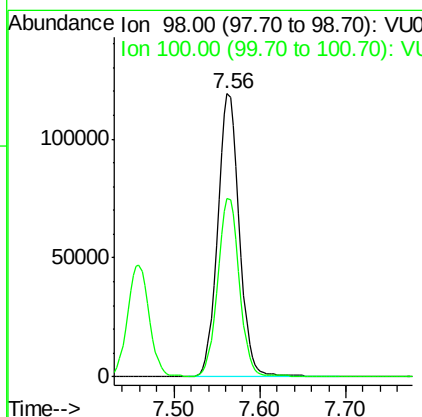
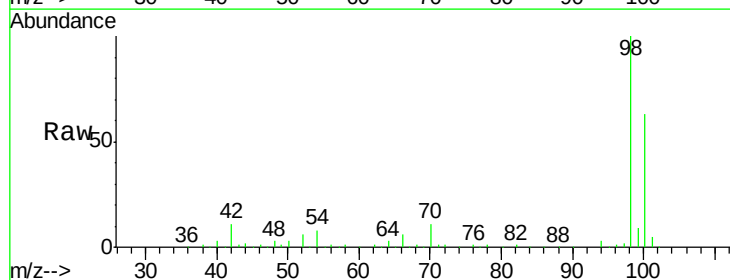
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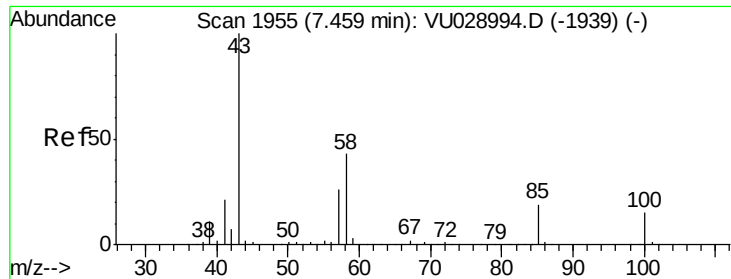
MMDadoda
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#50
Toluene-d8
Concen: 46.234 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.9	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 292.350 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 589019

Ion Ratio Lower Upper

43 100

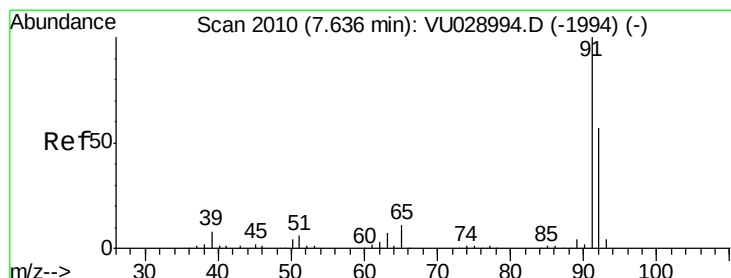
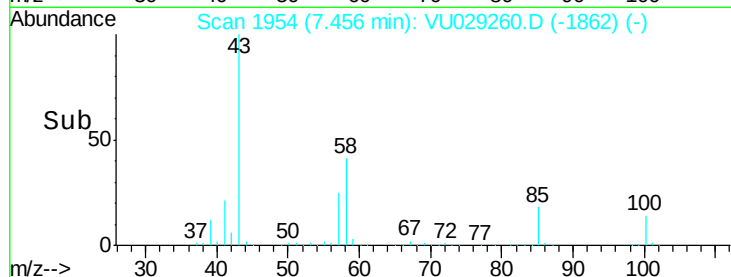
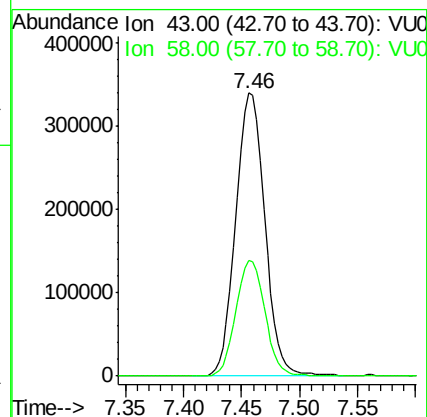
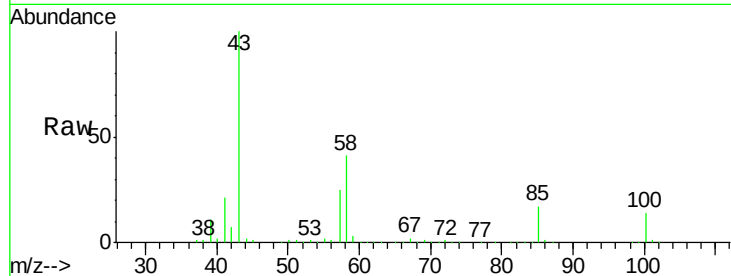
58 41.0 33.9 50.9

Manual Integrations

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#52

Toluene

Concen: 48.154 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU029260.D

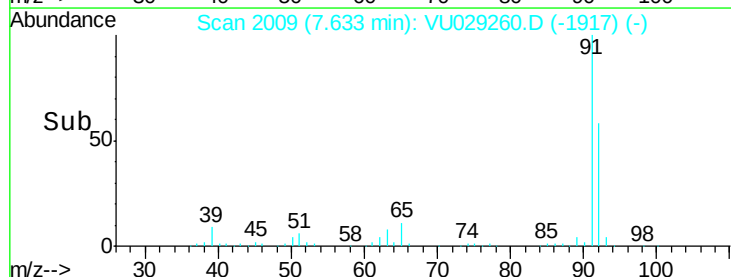
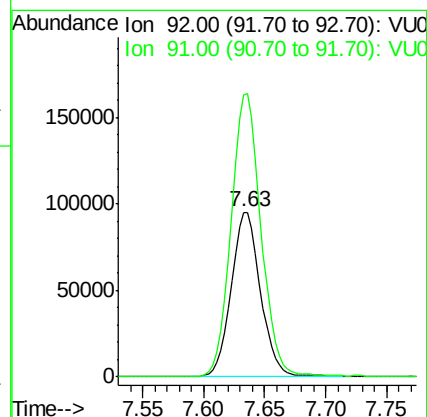
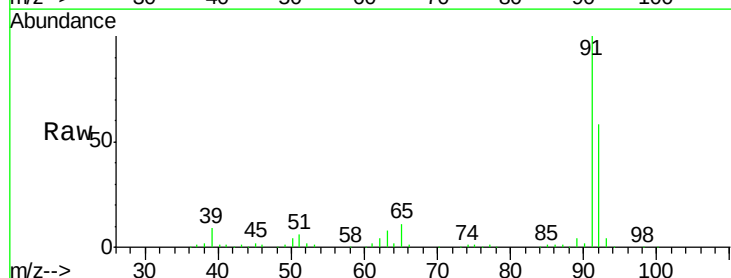
Acq: 21 Jan 2019 19:44

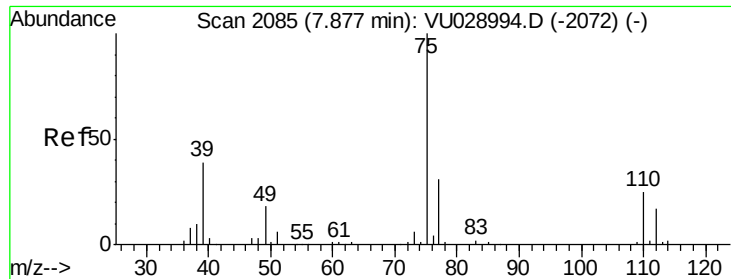
Tgt Ion: 92 Resp: 160770

Ion Ratio Lower Upper

92 100

91 175.0 139.8 209.8





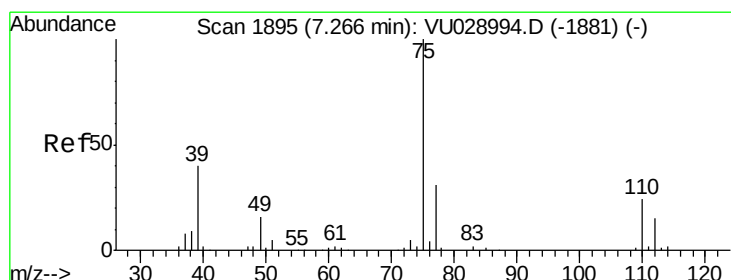
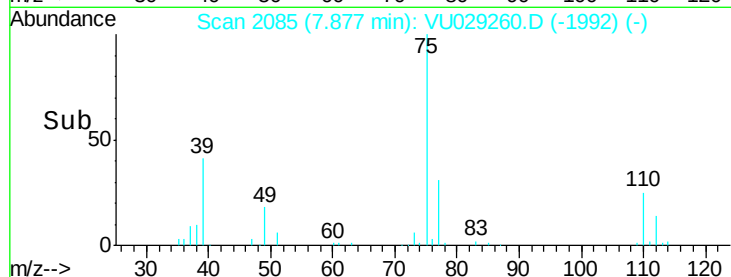
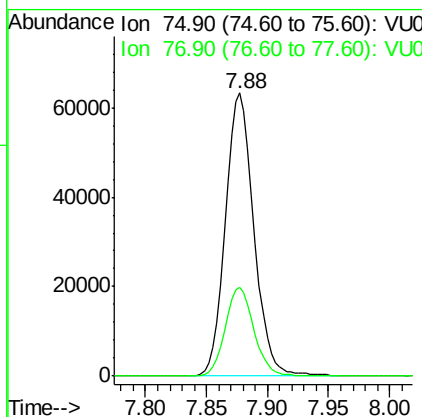
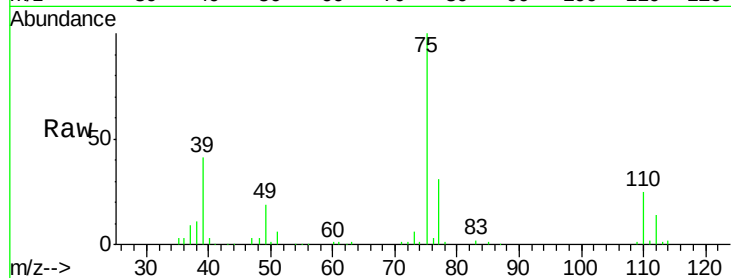
#53
t-1,3-Dichloropropene
Concen: 50.678 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 103773
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.4

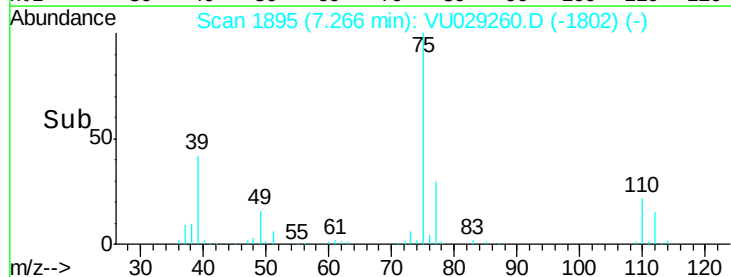
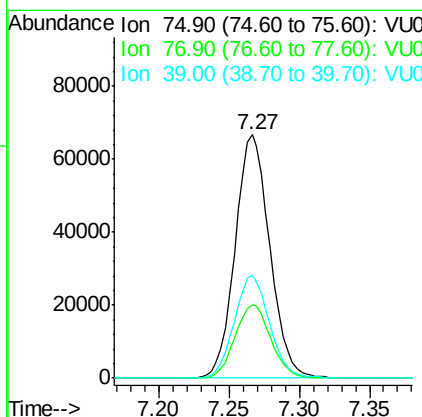
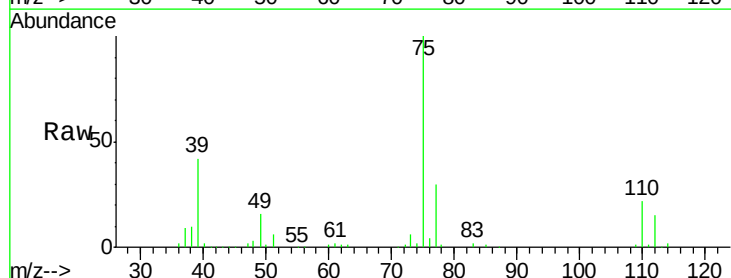
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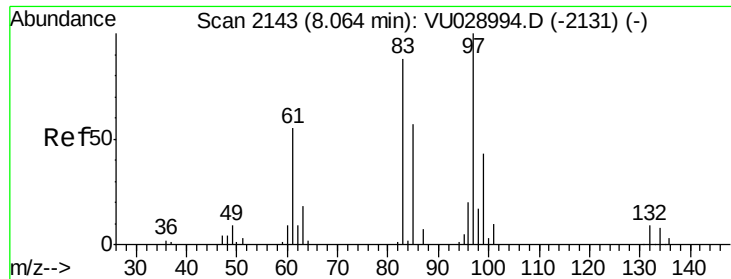
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.824 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Tgt Ion: 75 Resp: 114669
Ion Ratio Lower Upper
75 100
77 30.2 25.0 37.6
39 42.1 32.2 48.4





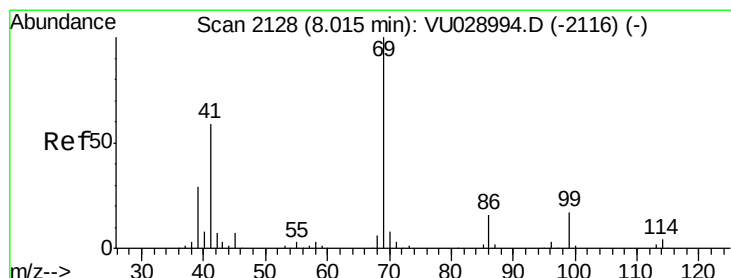
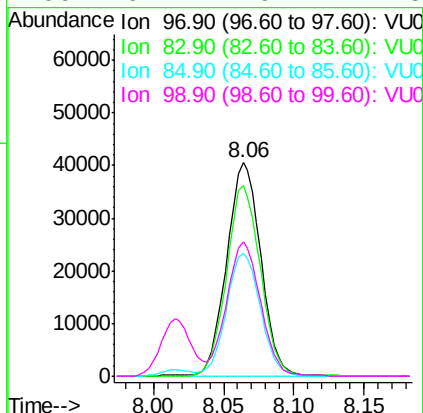
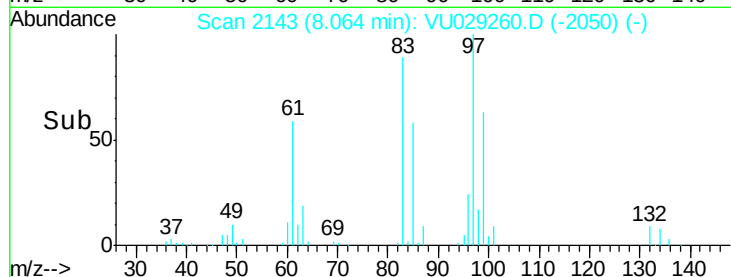
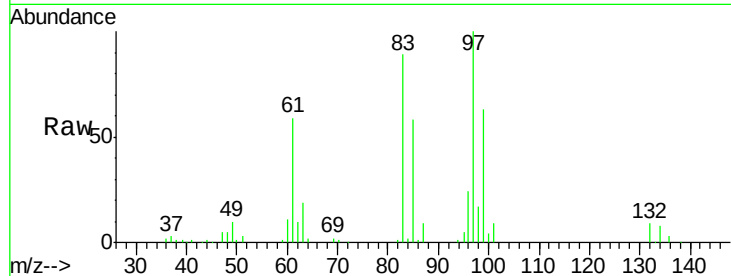
#55
 1,1,2-Trichloroethane
 Concen: 51.428 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029260.D
 Acq: 21 Jan 2019 19:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		68787		
83	89.5	69.8	104.8		
85	57.5	47.3	70.9		
99	62.7	49.7	74.5		

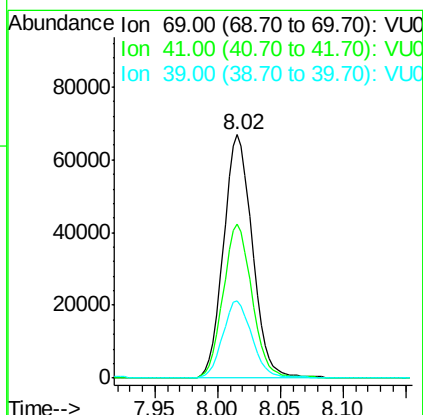
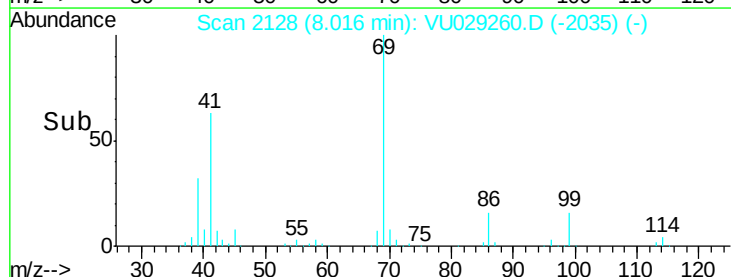
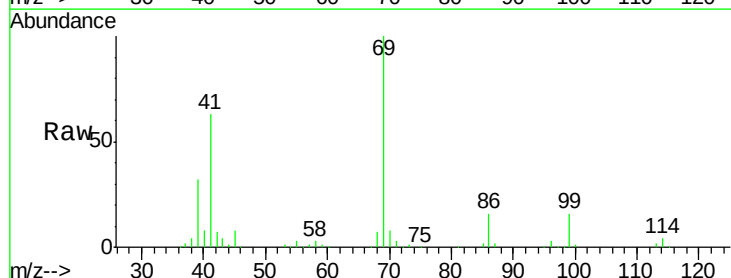
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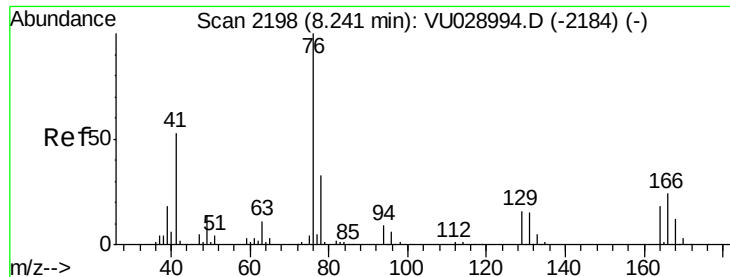
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#56
 Ethyl methacrylate
 Concen: 51.958 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029260.D
 Acq: 21 Jan 2019 19:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		107065		
41	63.5	47.5	71.3		
39	31.4	22.5	33.7		





#57

1,3-Dichloropropane

Concen: 49.593 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 113503

Ion Ratio Lower Upper

76 100

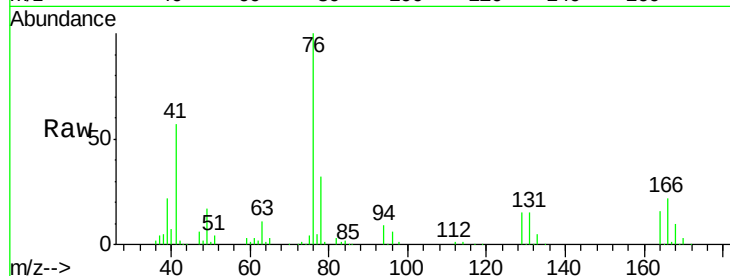
78 31.3 26.0 39.0

Manual Integrations

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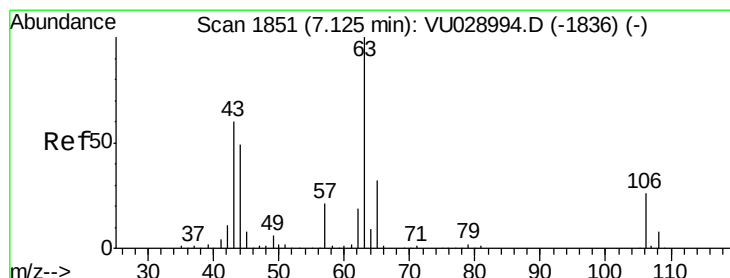
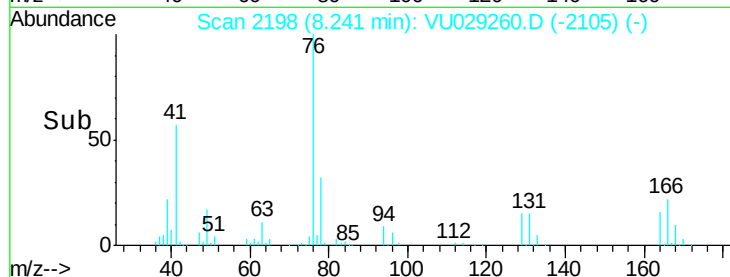
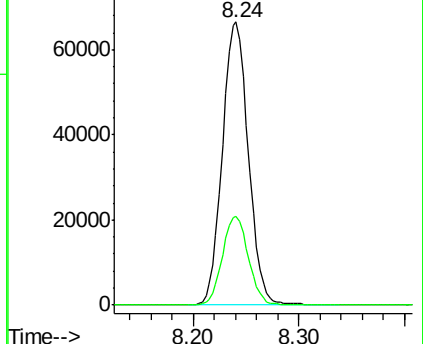
MMDadoda

1/22/2019 10:40:34 AM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 274.380 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VU029260.D

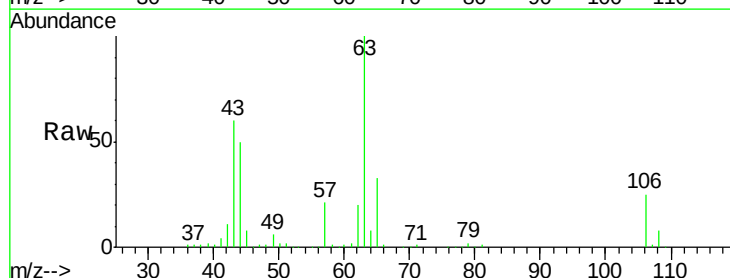
Acq: 21 Jan 2019 19:44

Tgt Ion: 63 Resp: 248648

Ion Ratio Lower Upper

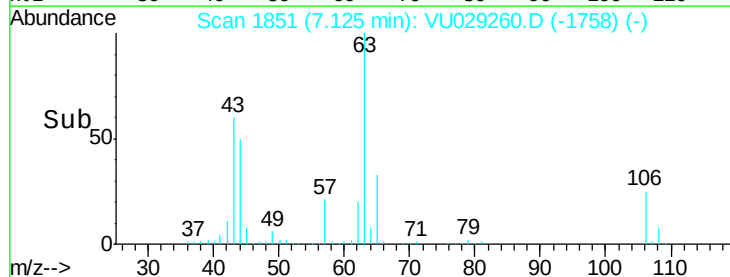
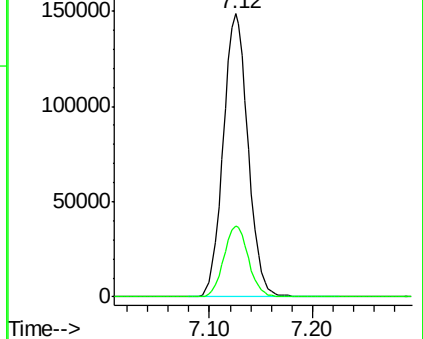
63 100

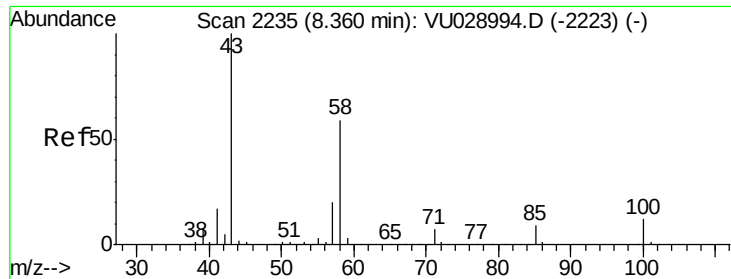
106 24.9 20.6 31.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





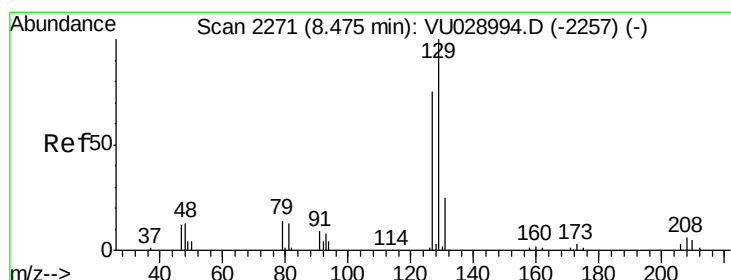
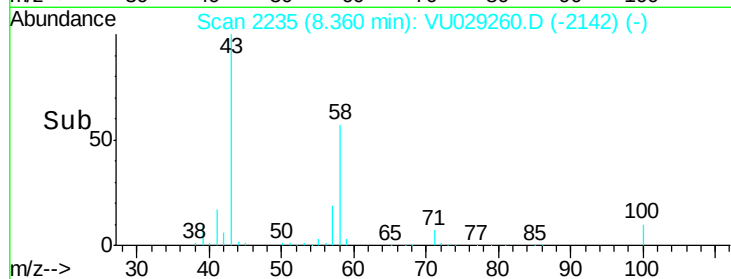
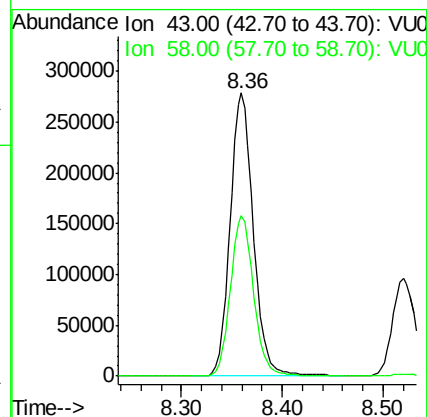
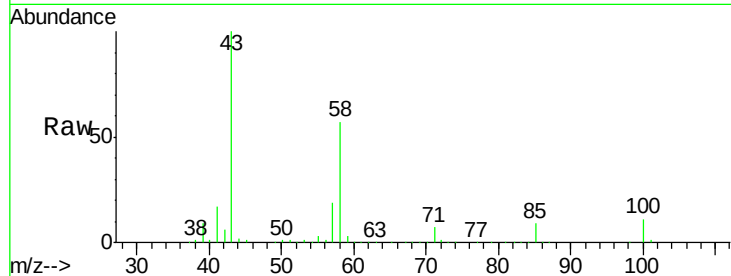
#59
2-Hexanone
Concen: 282.757 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 447187
Ion Ratio Lower Upper
43 100
58 57.0 29.8 89.4

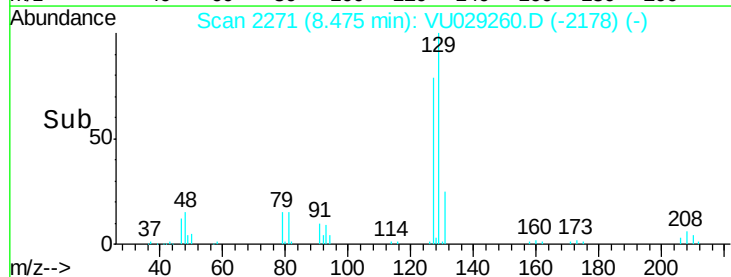
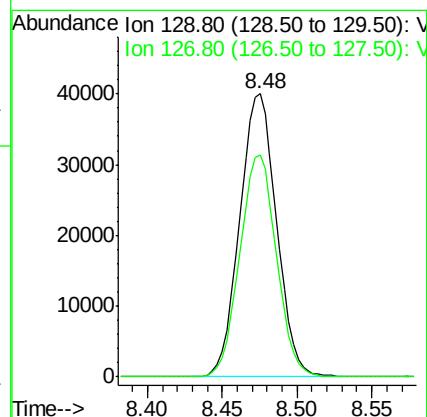
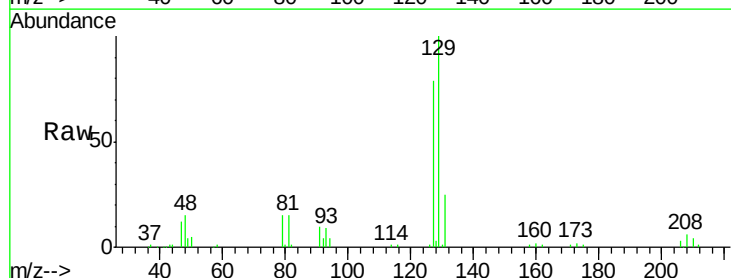
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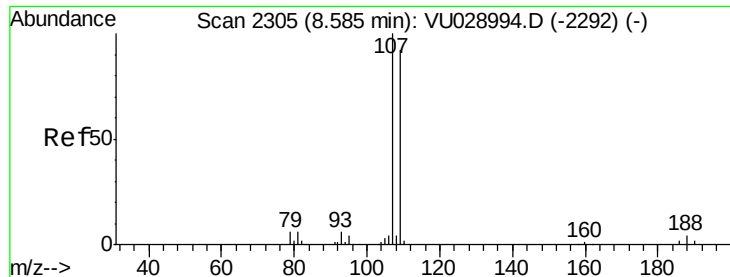
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#60
Dibromochloromethane
Concen: 51.762 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Tgt Ion: 129 Resp: 68590
Ion Ratio Lower Upper
129 100
127 77.8 38.0 114.0





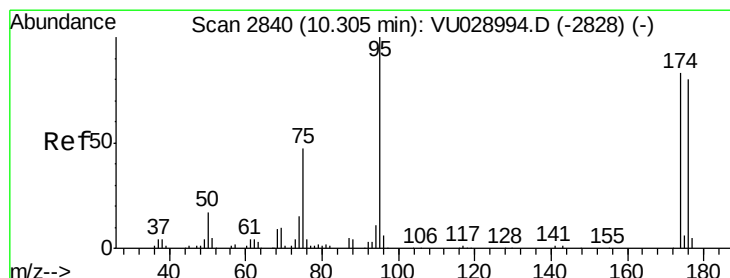
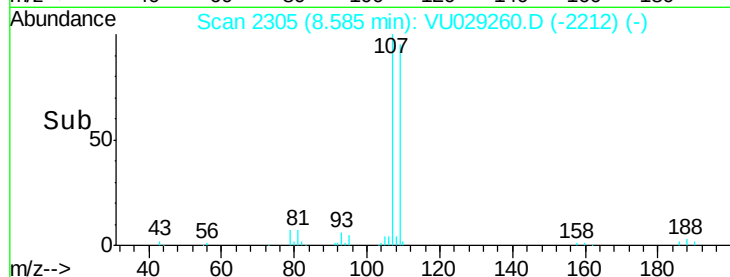
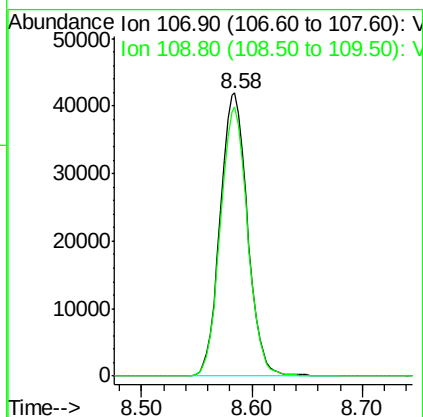
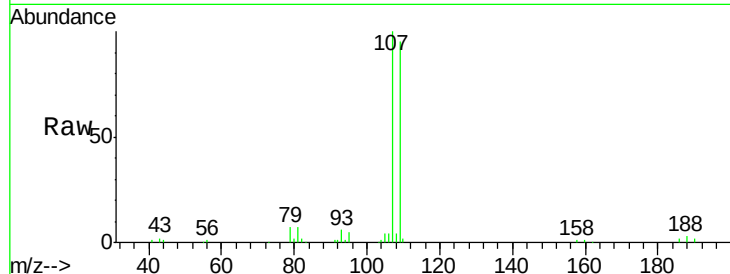
#61
 1,2-Dibromoethane
 Concen: 49.831 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. 0.00 min
 Lab File: VU029260.D
 Acq: 21 Jan 2019 19:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.5	113.3

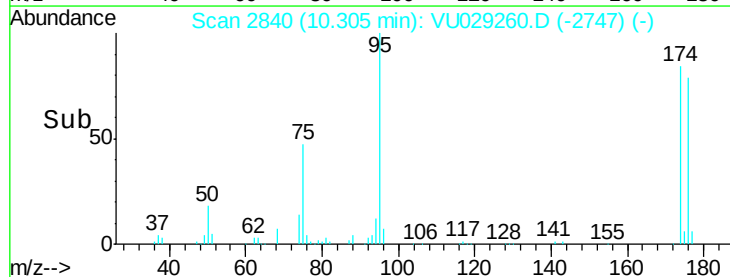
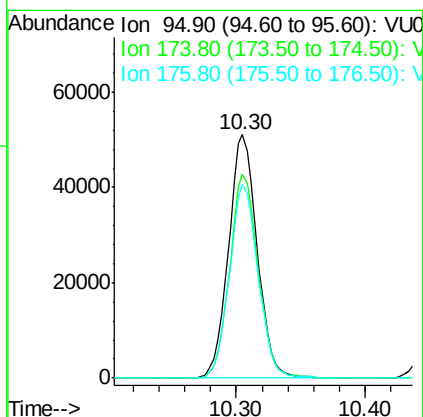
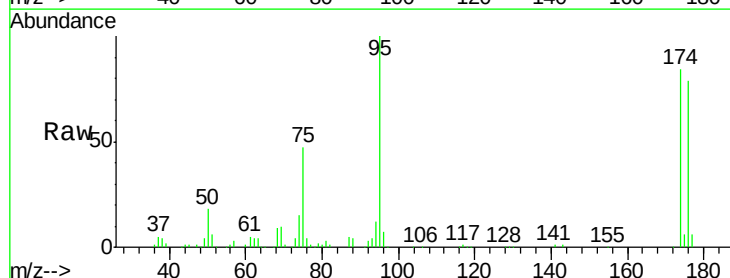
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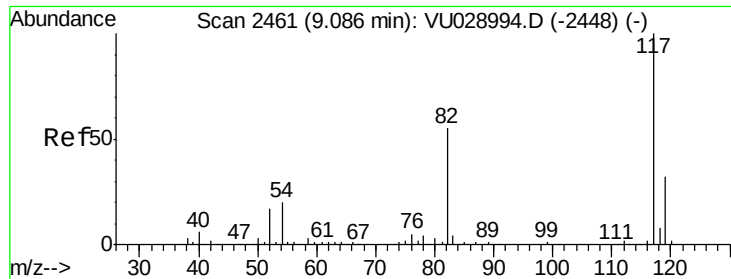
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 1/22/2019 10:40:34 AM



#62
 4-Bromofluorobenzene
 Concen: 48.426 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VU029260.D
 Acq: 21 Jan 2019 19:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	170.6
176	80.1	0.0	165.0





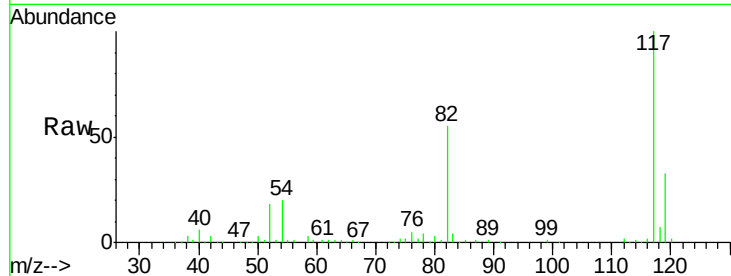
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

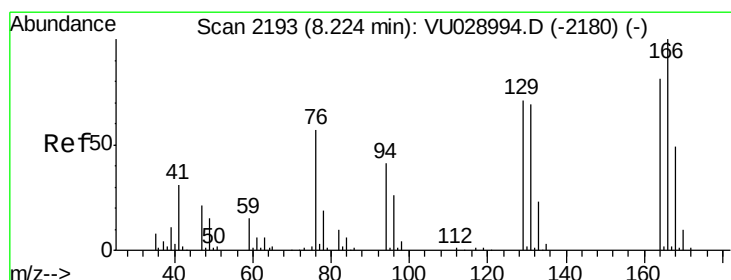
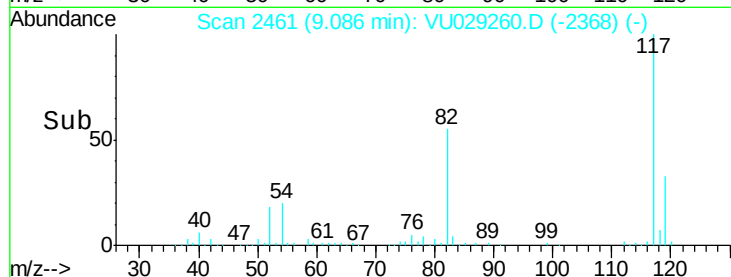
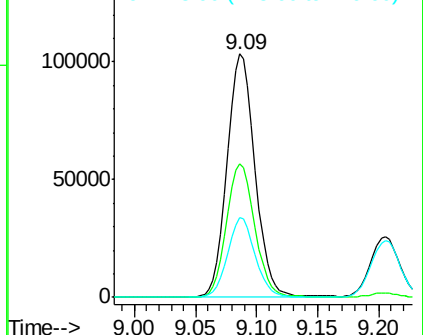
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	43.9	65.9
119	32.6	26.0	39.0

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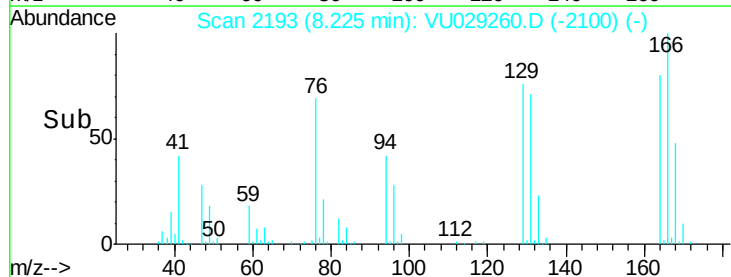
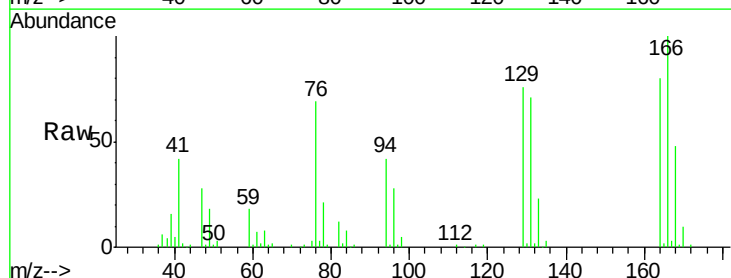
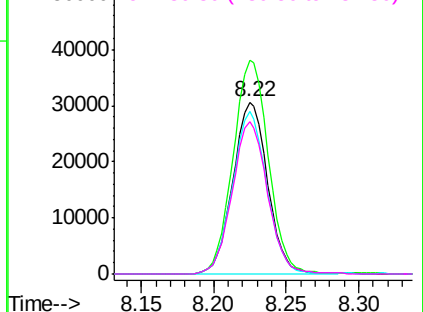
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

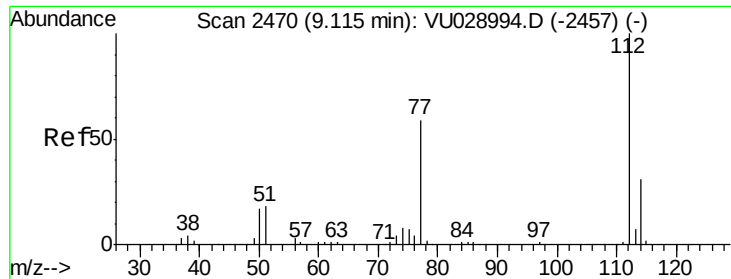


#64
Tetrachloroethene
Concen: 42.301 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	99.4	149.0
129	94.6	70.5	105.7
131	88.7	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: 48.221 ug/l

RT: 9.12 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 180199

Ion Ratio Lower Upper

112 100

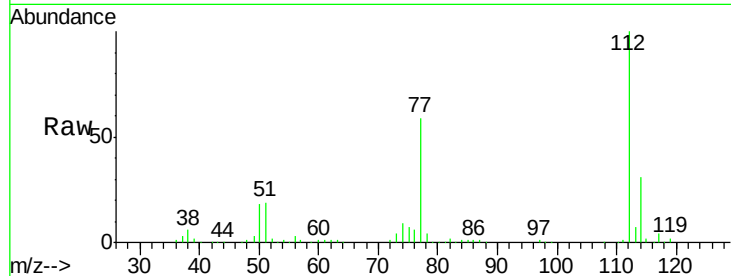
114 31.3 25.0 37.6

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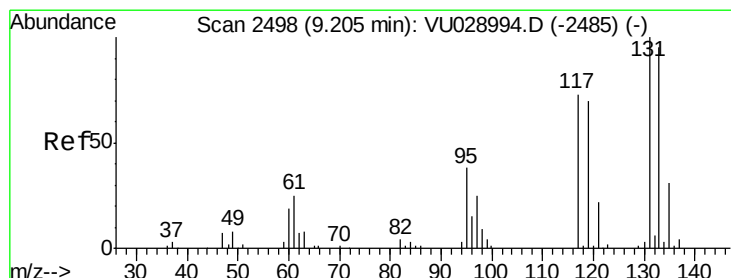
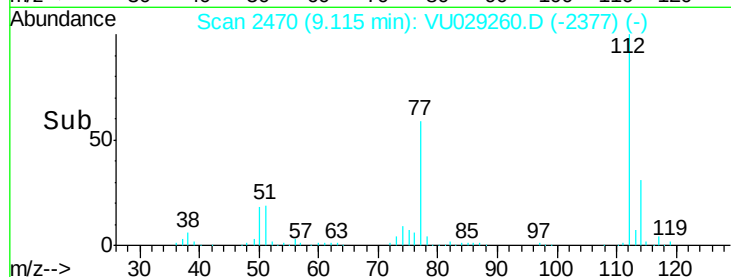
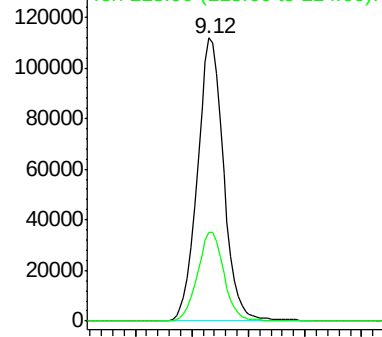
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.056 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. 0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

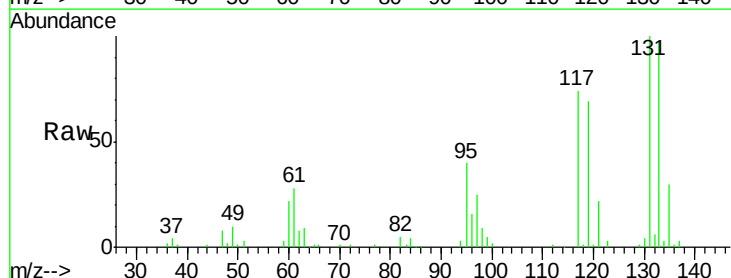
Tgt Ion:131 Resp: 58279

Ion Ratio Lower Upper

131 100

133 95.8 48.2 144.6

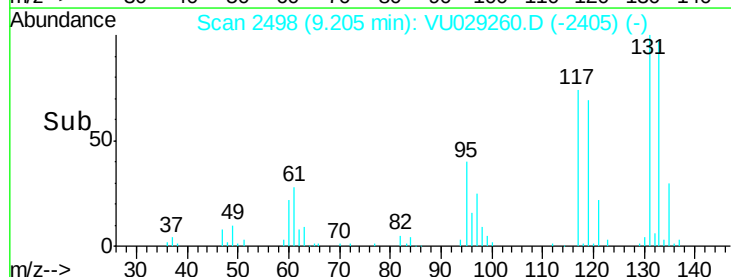
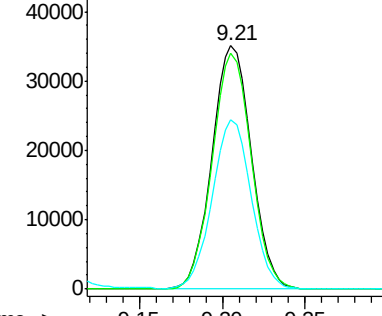
119 68.6 35.4 106.3

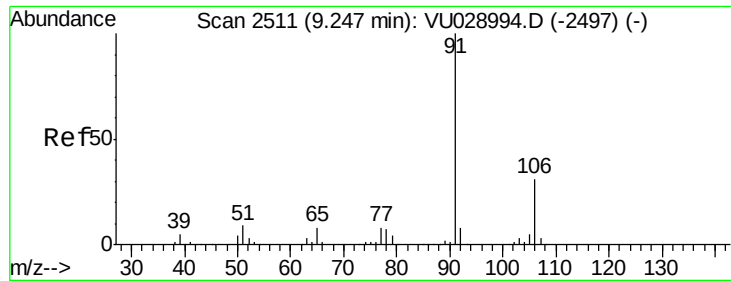


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





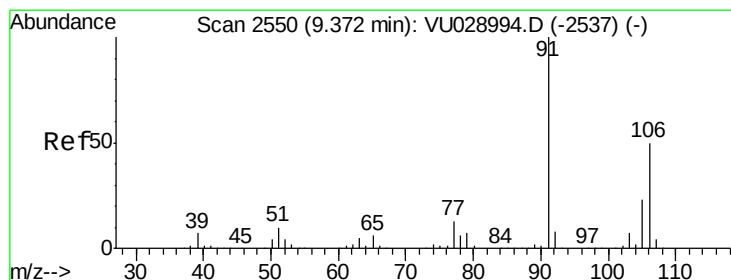
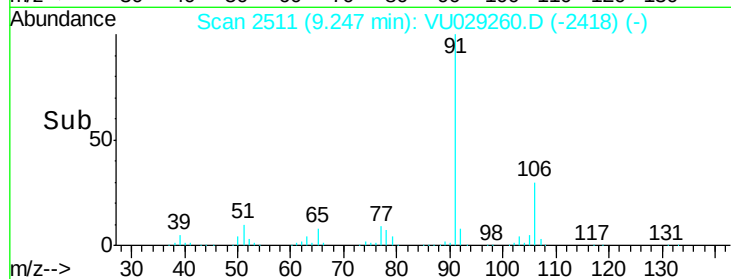
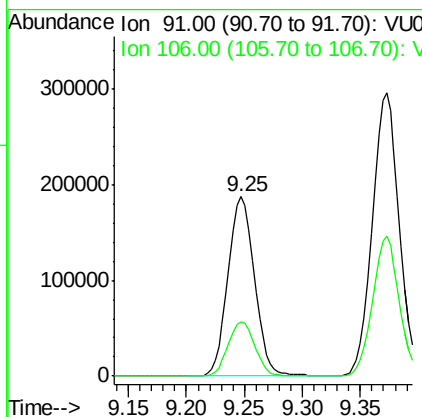
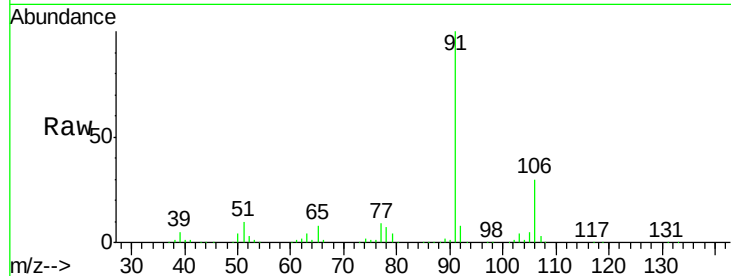
#67
Ethyl Benzene
Concen: 47.661 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 297363
Ion Ratio Lower Upper
91 100
106 30.4 25.0 37.4

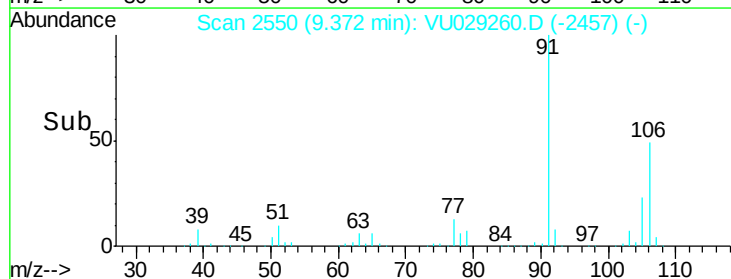
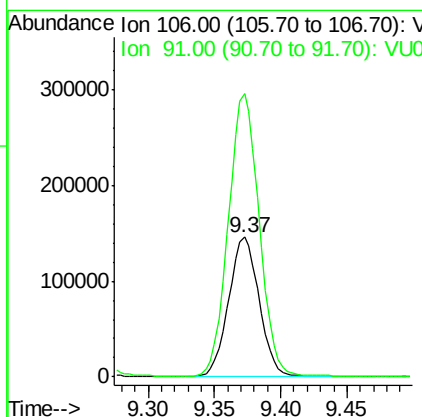
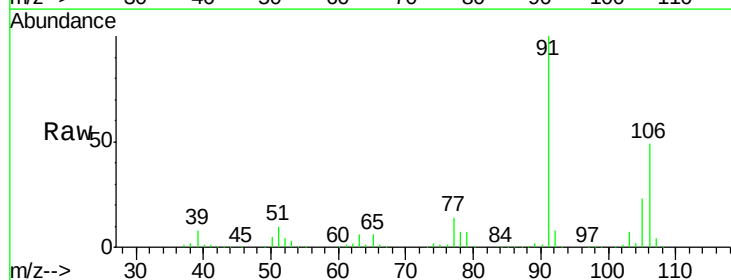
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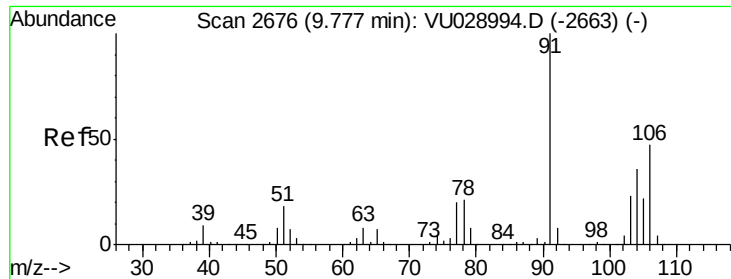
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#68
m/p-Xylenes
Concen: 96.404 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Tgt Ion: 106 Resp: 233701
Ion Ratio Lower Upper
106 100
91 205.5 161.7 242.5





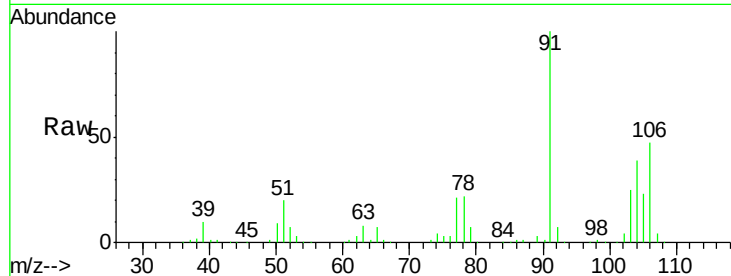
#69
o-Xylene
Concen: 50.096 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

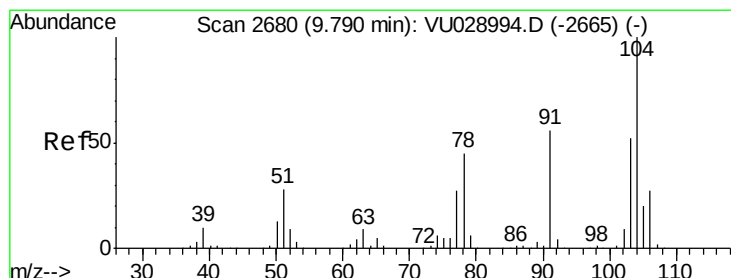
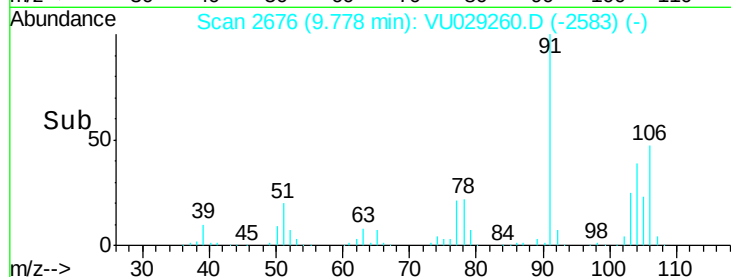
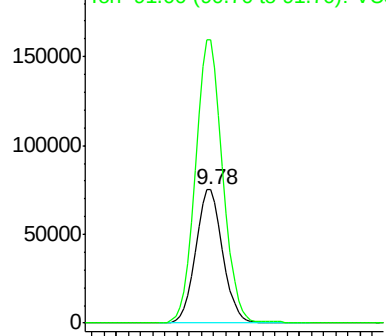
Tot Ion:106 Resp: 117014
Ion Ratio Lower Upper
106 100
91 214.1 106.1 318.3

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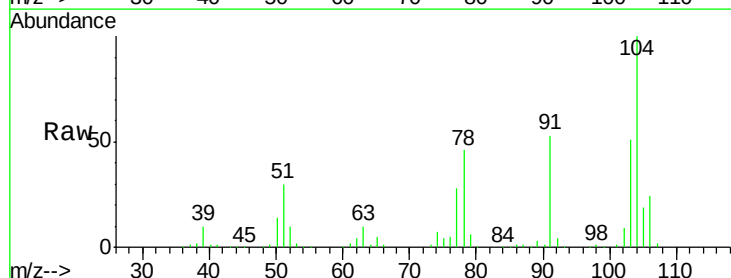


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

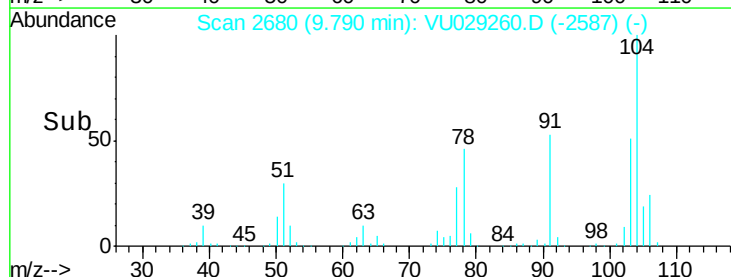
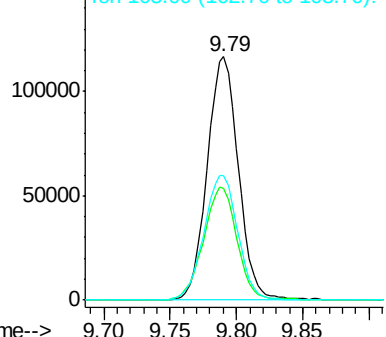


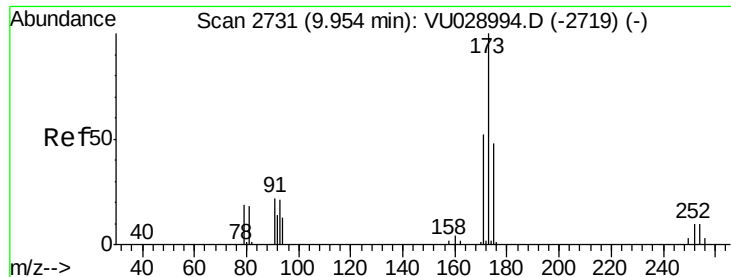
#70
Styrene
Concen: 49.997 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Tgt Ion:104 Resp: 191448
Ion Ratio Lower Upper
104 100
78 49.9 38.6 58.0
103 55.7 44.5 66.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 48.694 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Instrument :

MSVOA_U

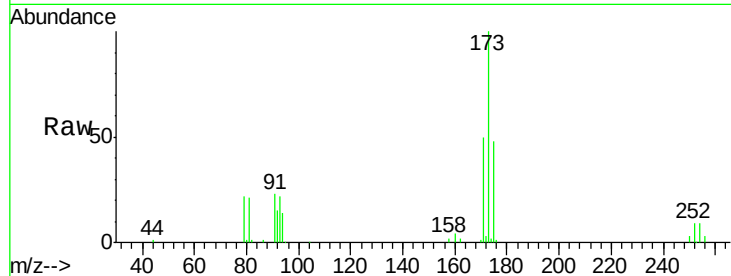
ClientSampleId :

VSTDCCC050EC

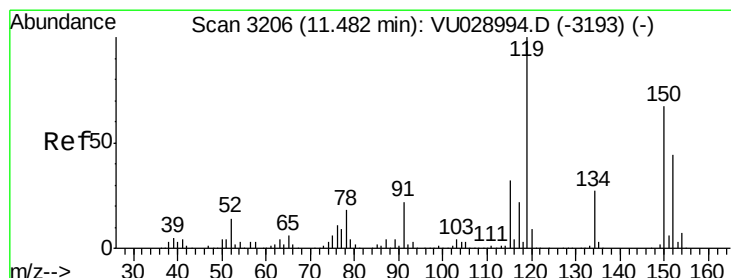
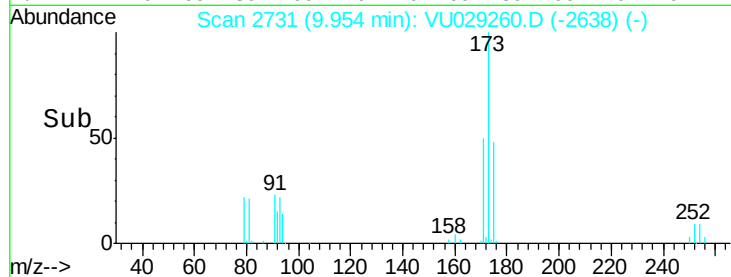
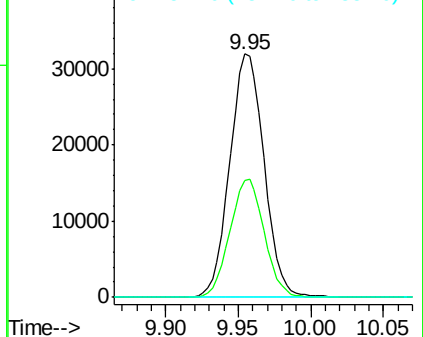
Tot Ion:	173	Resp:	52581
Ion Ratio	Lower	Upper	
173	100		
175	48.2	23.8	71.2
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

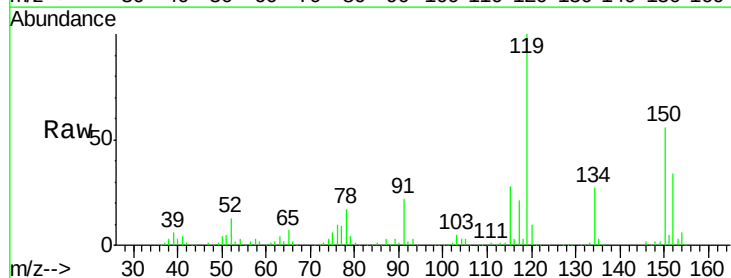
RT: 11.48 min Scan# 3205

Delta R.T. -0.00 min

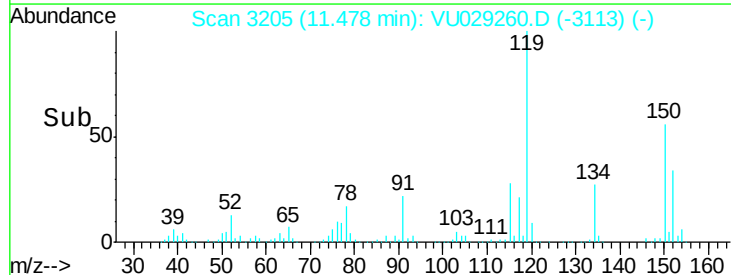
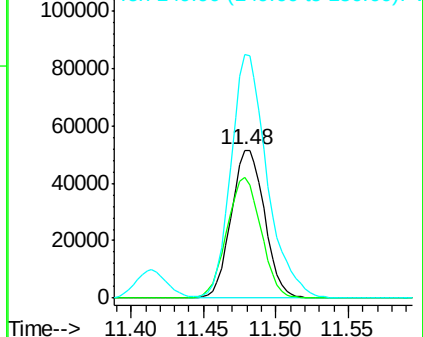
Lab File: VU029260.D

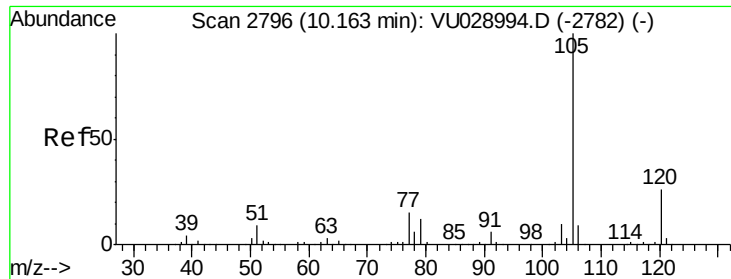
Acq: 21 Jan 2019 19:44

Tgt Ion:	152	Resp:	82295
Ion Ratio	Lower	Upper	
152	100		
115	83.7	40.1	120.3
150	178.1	0.0	345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.172 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 305609

Ion Ratio Lower Upper

105 100

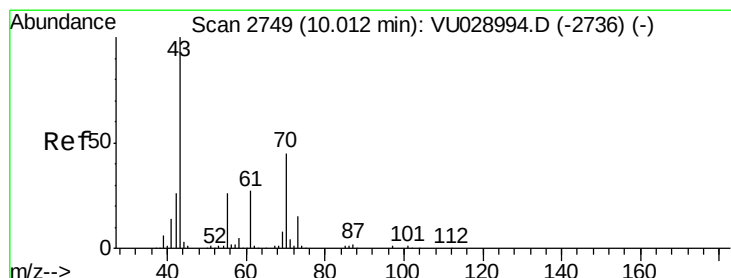
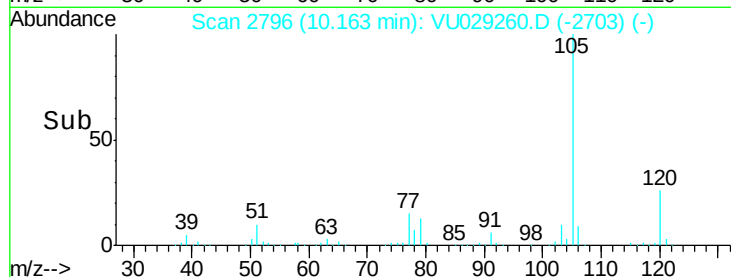
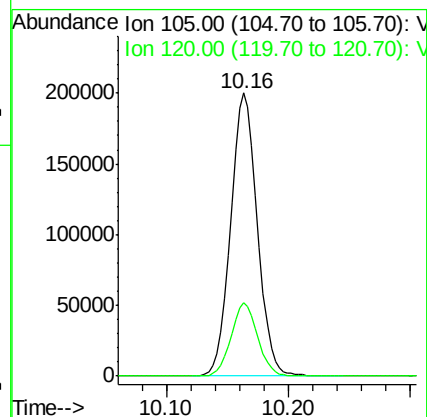
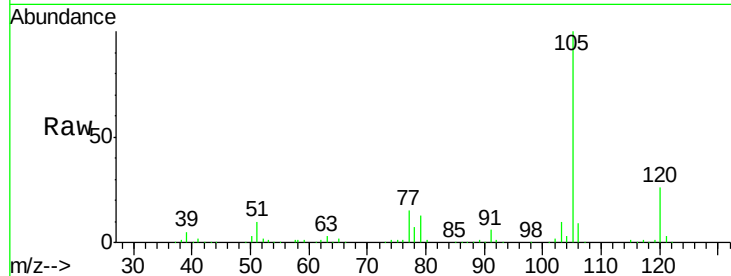
120 25.9 13.2 39.5

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#74

N-ethyl acetate

Concen: 55.166 ug/l

RT: 10.01 min Scan# 2748

Delta R.T. -0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Tgt Ion: 43 Resp: 144799

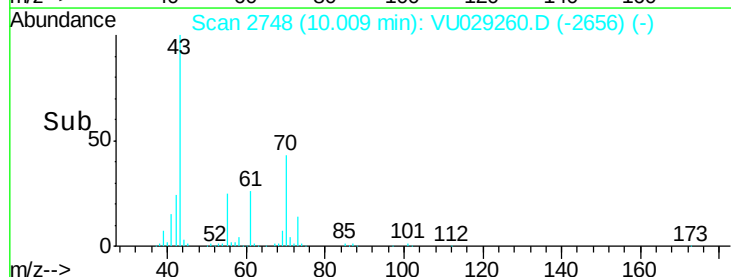
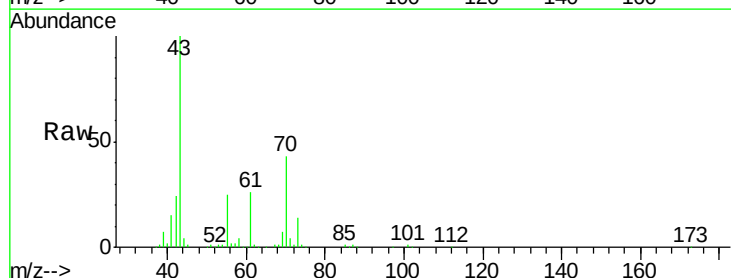
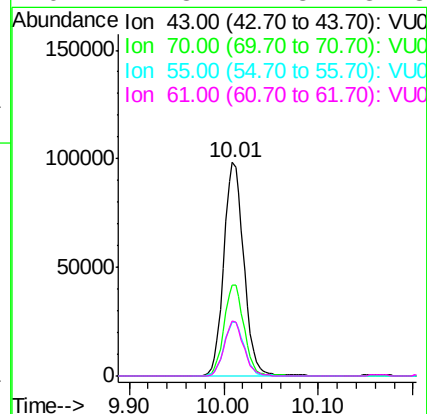
Ion Ratio Lower Upper

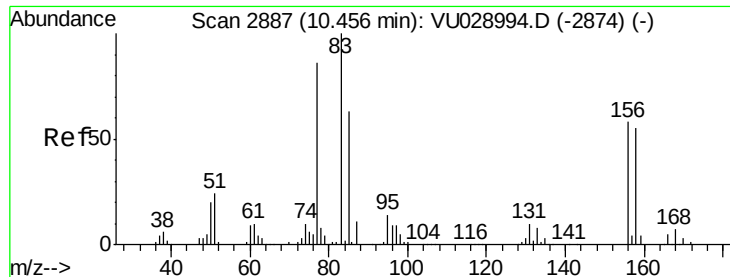
43 100

70 42.6 36.3 54.5

55 25.5 20.5 30.7

61 24.8 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 52.201 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 127438

Ion Ratio Lower Upper

83 100

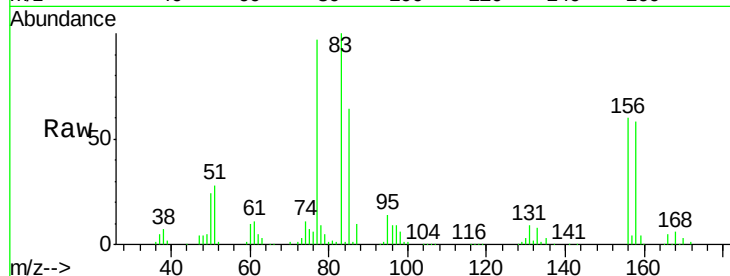
131 8.6 4.7 14.1

85 63.9 32.0 96.2

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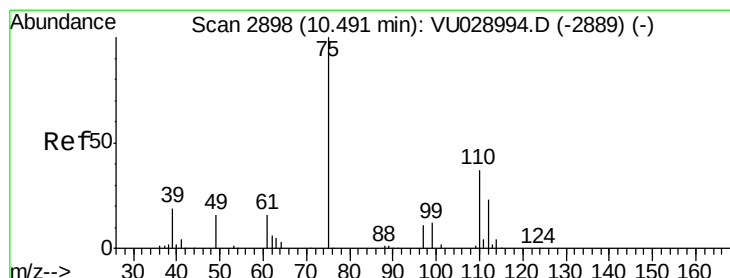
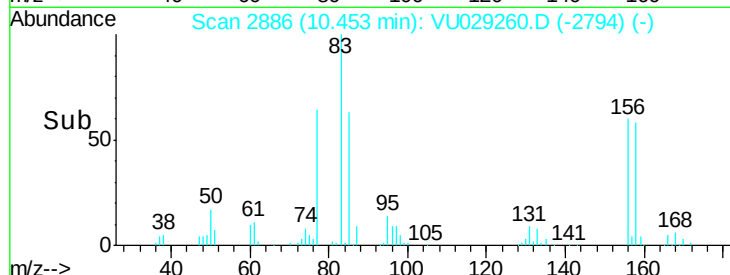
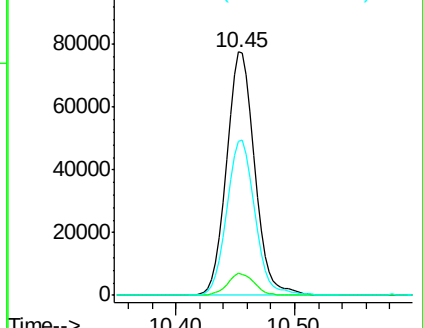
1/22/2019 10:40:34 AM



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 50.830 ug/l m

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029260.D

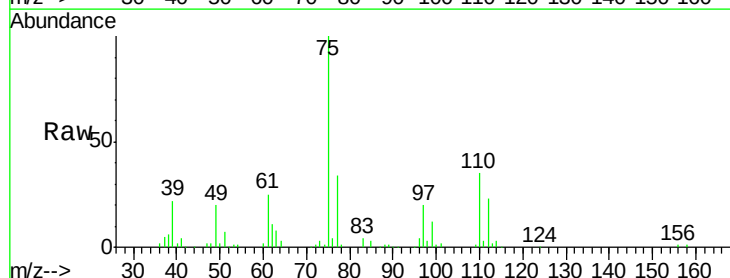
Acq: 21 Jan 2019 19:44

Tgt Ion: 75 Resp: 102491

Ion Ratio Lower Upper

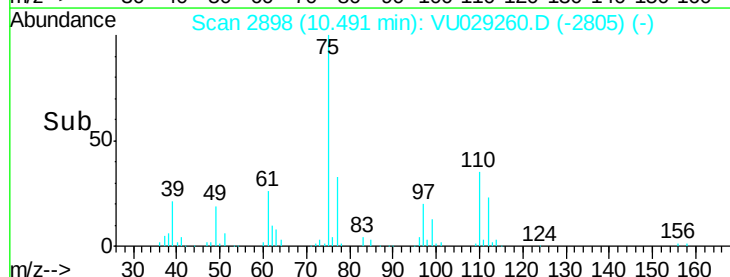
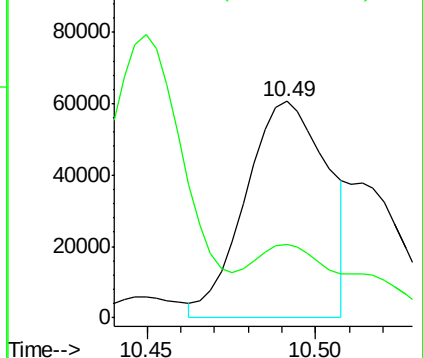
75 100

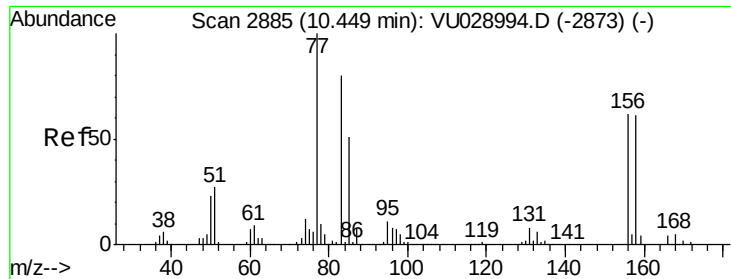
77 45.8 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 48.631 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 77195

Ion Ratio Lower Upper

156 100

77 167.4 79.0 237.2

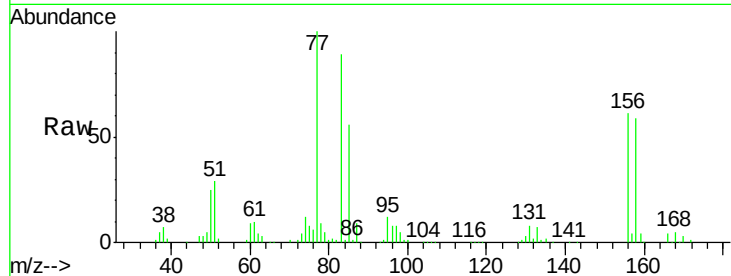
158 97.5 48.9 146.6

Manual Integrations

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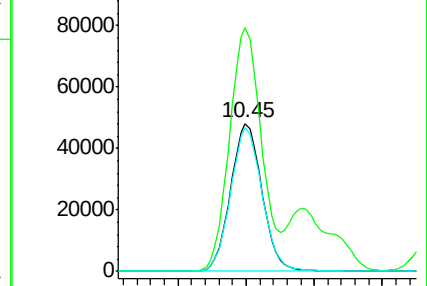
1/22/2019 10:40:34 AM



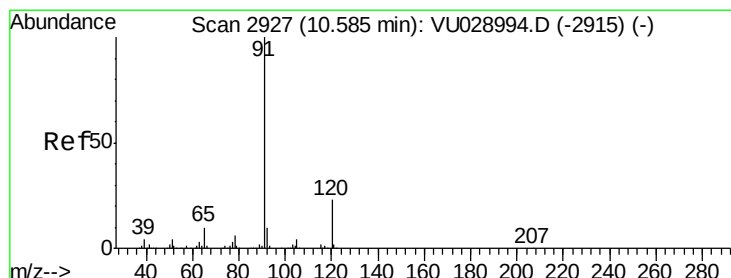
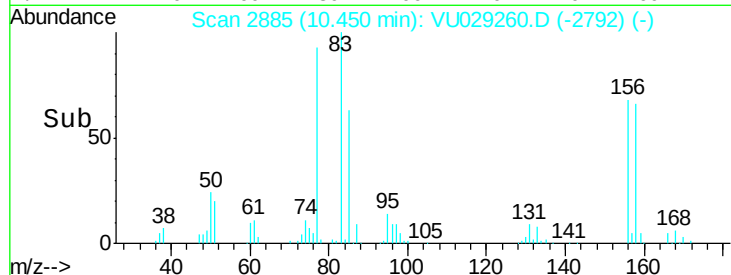
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 52.271 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029260.D

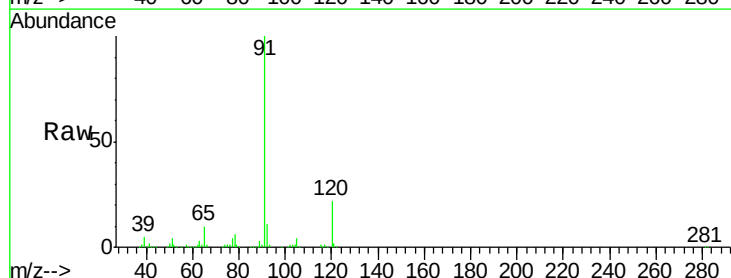
Acq: 21 Jan 2019 19:44

Tgt Ion: 91 Resp: 375228

Ion Ratio Lower Upper

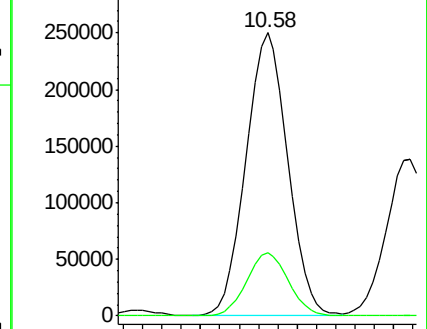
91 100

120 22.4 11.3 33.9

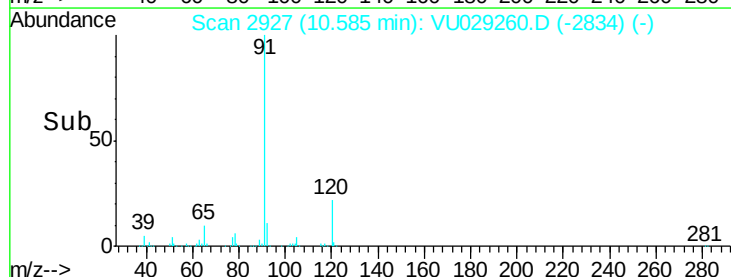


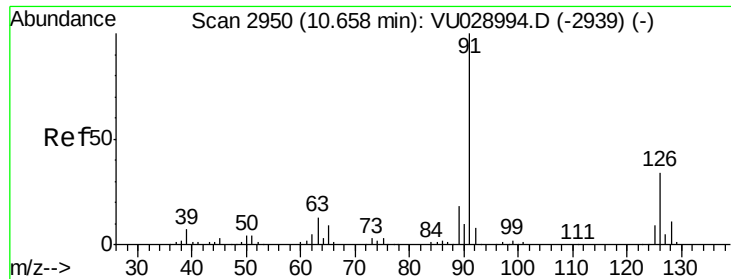
Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V



Time-->





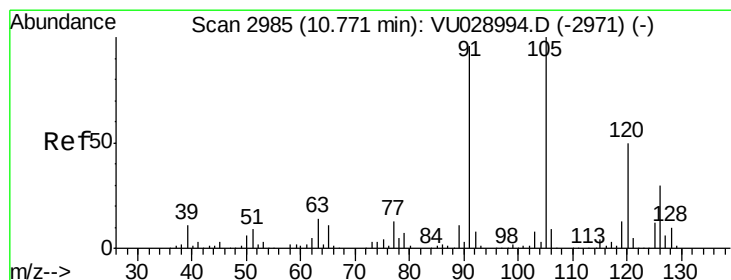
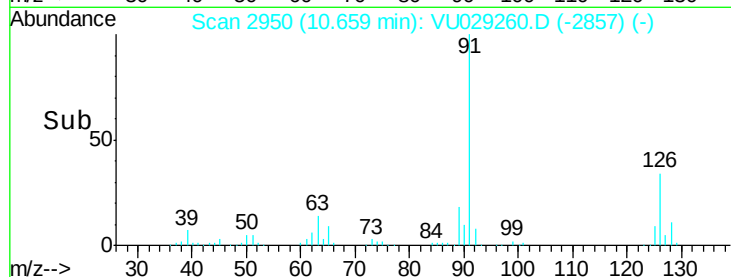
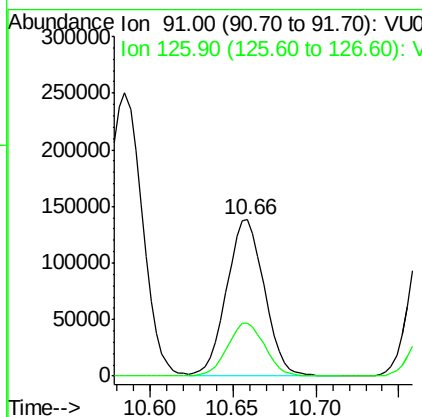
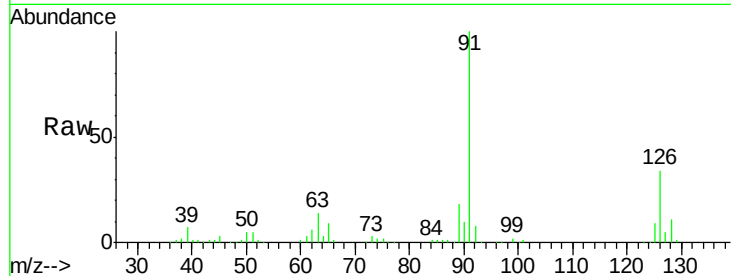
#79
 2-Chlorotoluene
 Concen: 50.156 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU029260.D
 Acq: 21 Jan 2019 19:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 218408
 Ion Ratio Lower Upper
 91 100
 126 33.7 16.8 50.4

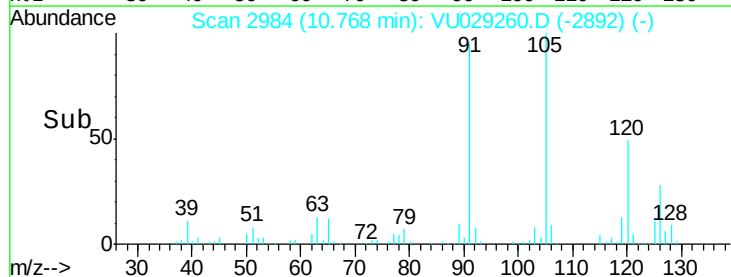
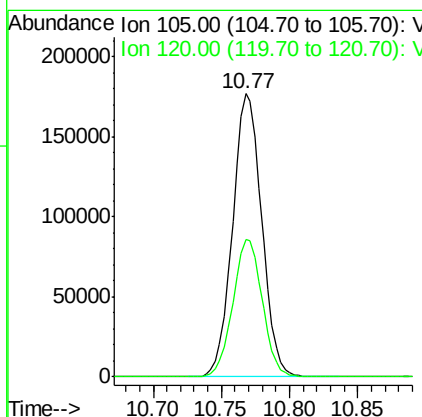
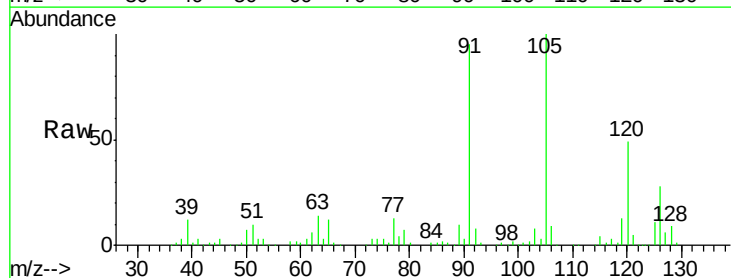
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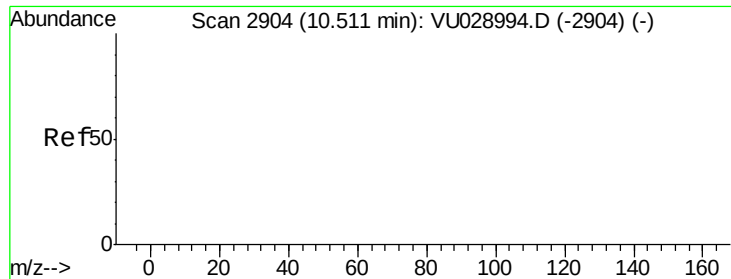
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.514 ug/l
 RT: 10.77 min Scan# 2984
 Delta R.T. -0.00 min
 Lab File: VU029260.D
 Acq: 21 Jan 2019 19:44

Tgt Ion: 105 Resp: 262036
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 55.918 ug/l m

RT: 10.51 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Instrument :
MSVOA_U

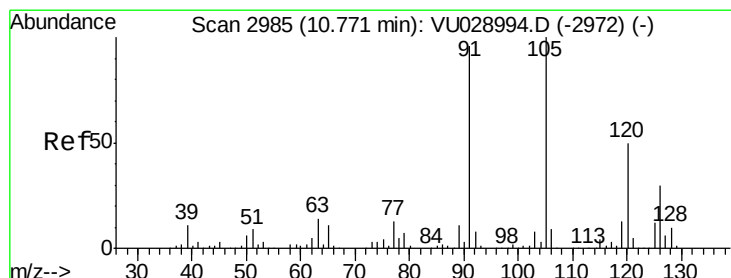
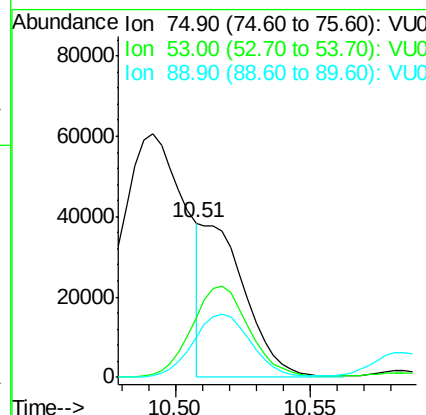
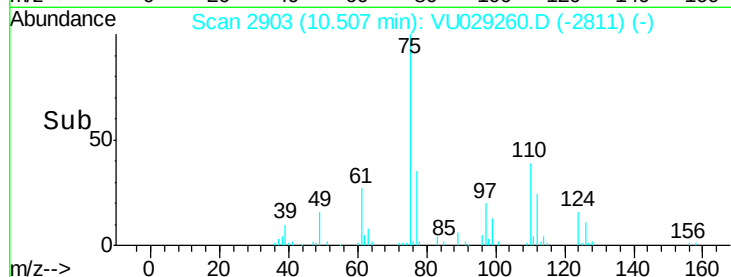
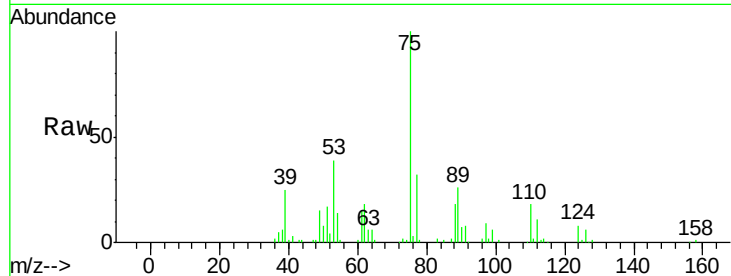
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 43718

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: 50.867 ug/l

RT: 10.77 min Scan# 2984

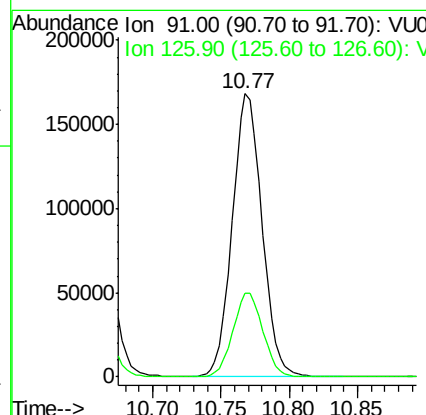
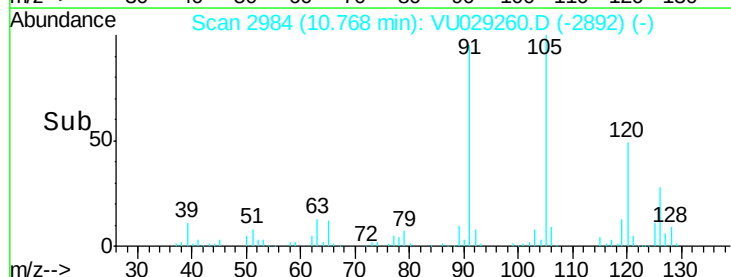
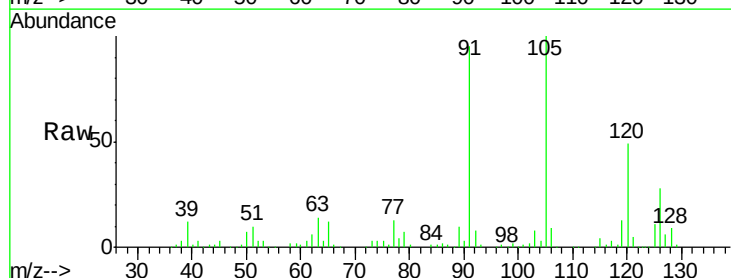
Delta R.T. -0.00 min

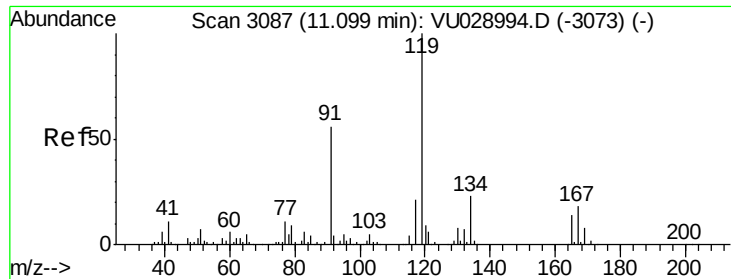
Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Tgt Ion: 91 Resp: 253989

Ion	Ratio	Lower	Upper
91	100		
126	30.0	15.5	46.5





#83

tert-Butylbenzene

Concen: 52.247 ug/l

RT: 11.10 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Instrument :

MSVOA_U

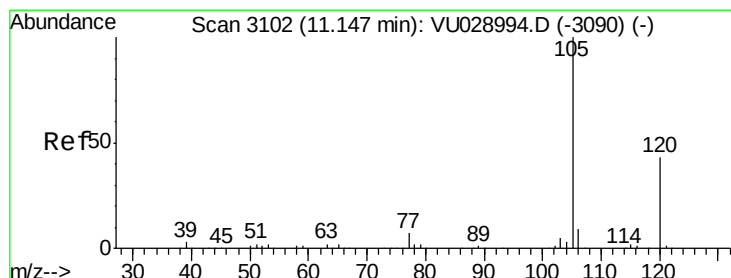
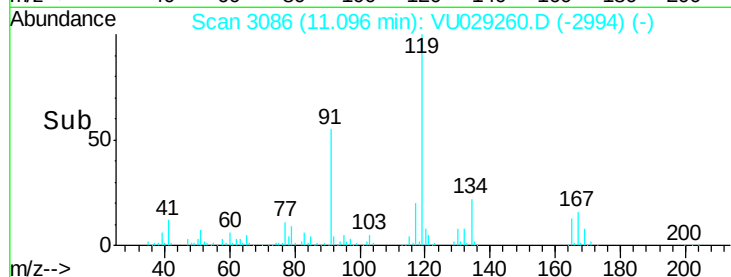
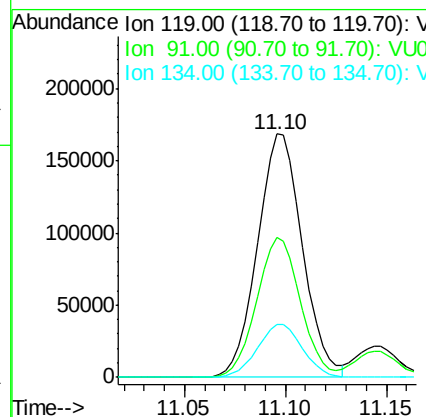
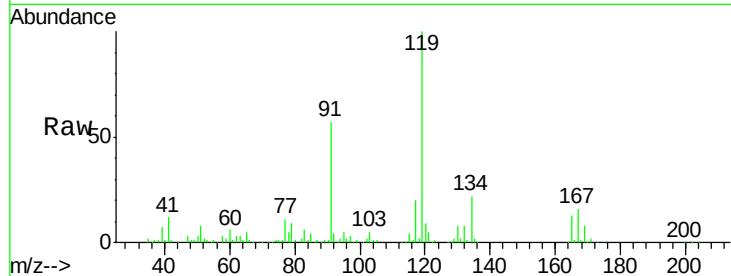
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	261945
Ion Ratio	Lower	Upper	
119	100		
91	56.1	28.2	84.6
134	21.9	11.3	33.8

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#84

1,2,4-Trimethylbenzene

Concen: 53.277 ug/l

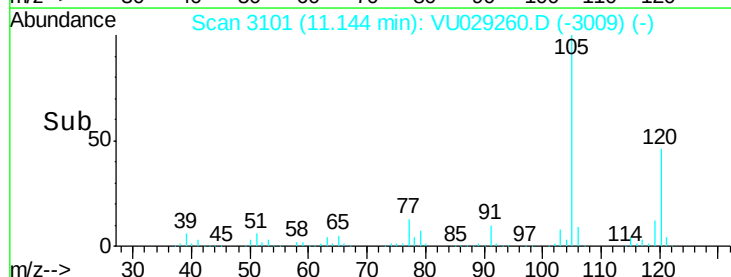
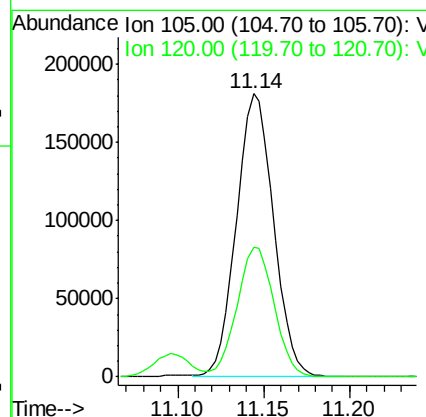
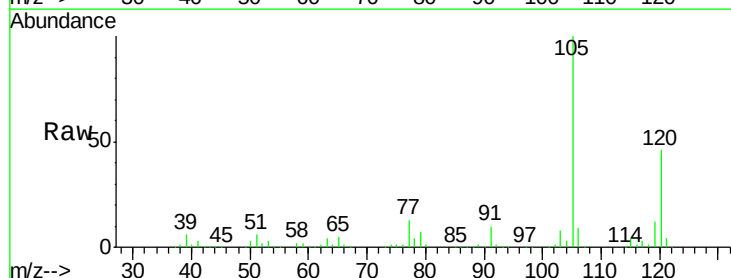
RT: 11.14 min Scan# 3101

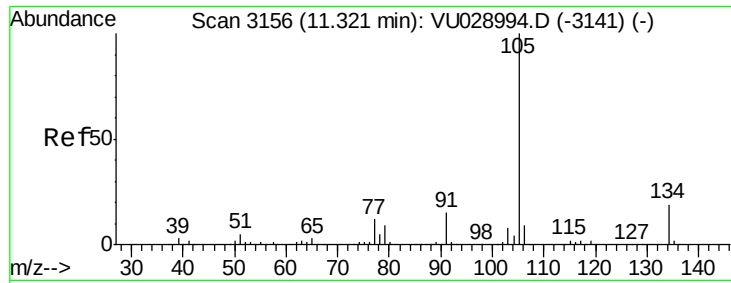
Delta R.T. -0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Tgt Ion:	105	Resp:	270569
Ion Ratio	Lower	Upper	
105	100		
120	46.2	23.1	69.3





#85

sec-Butylbenzene

Concen: 53.701 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 325611

Ion Ratio Lower Upper

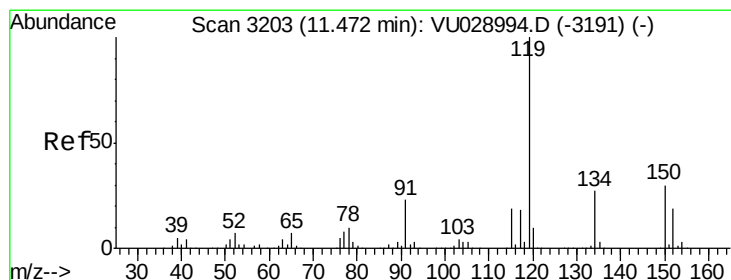
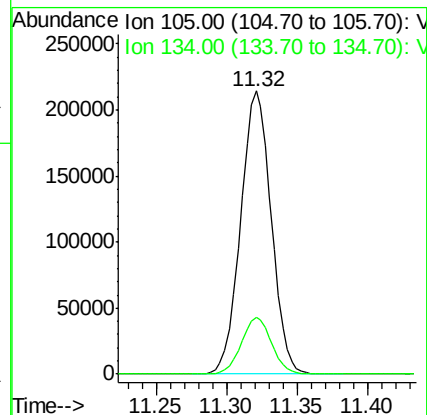
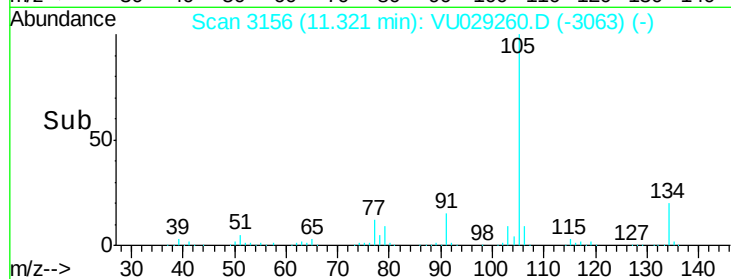
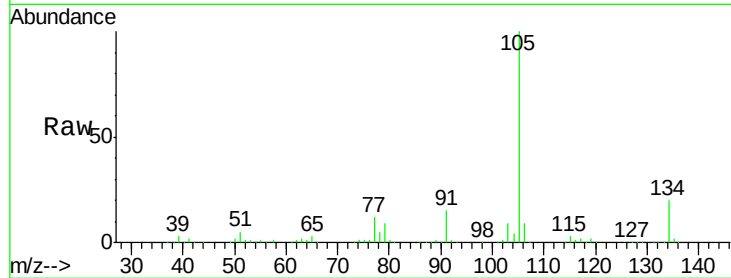
105 100

134 19.8 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 53.809 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

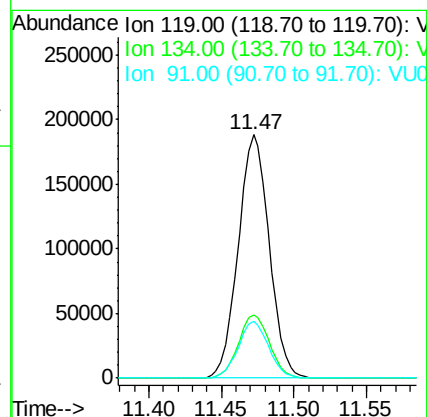
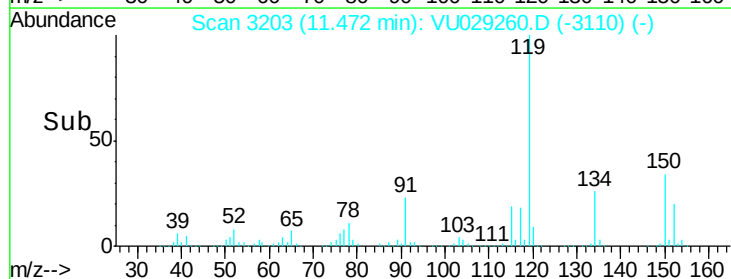
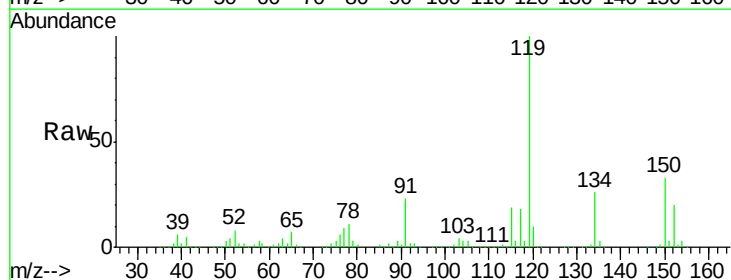
Tgt Ion:119 Resp: 278017

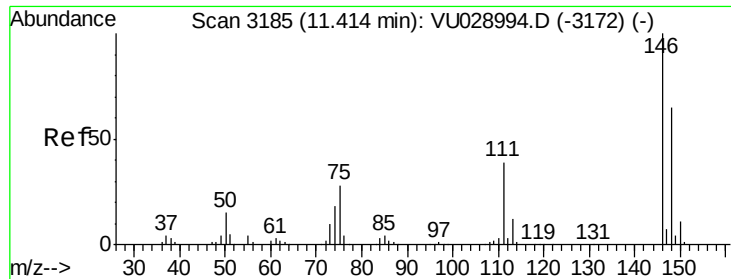
Ion Ratio Lower Upper

119 100

134 26.3 13.5 40.4

91 22.9 11.3 33.8





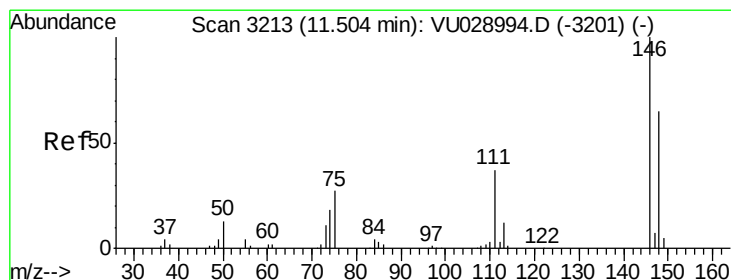
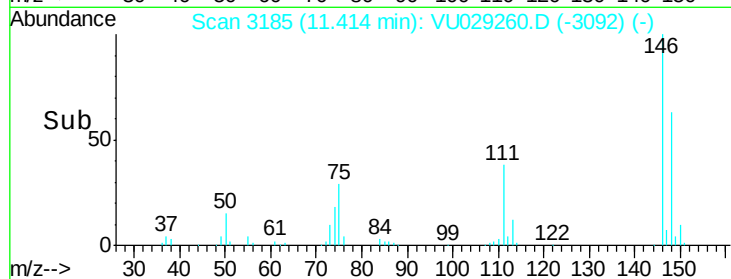
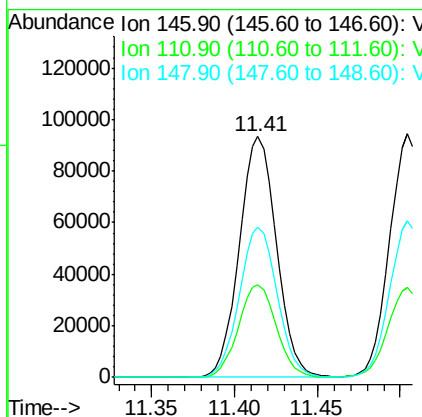
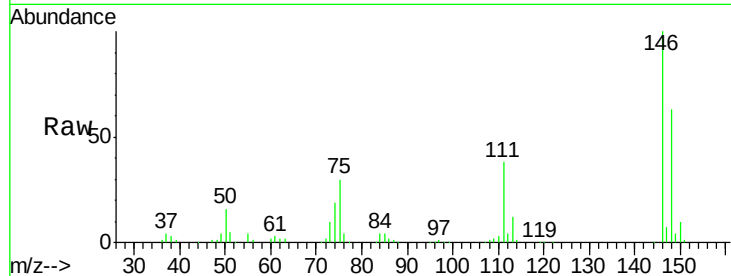
#87
 1,3-Dichlorobenzene
 Concen: 50.169 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029260.D
 Acq: 21 Jan 2019 19:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.3	57.8
148	63.4	32.5	97.5

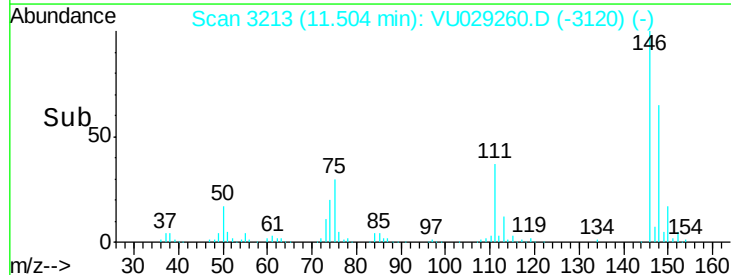
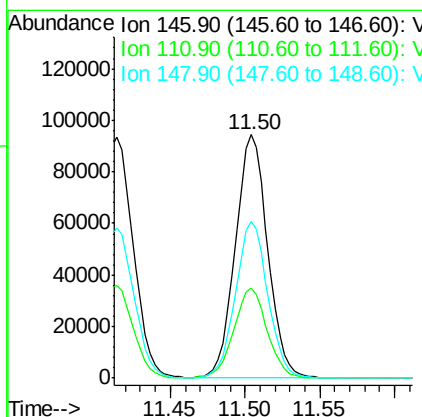
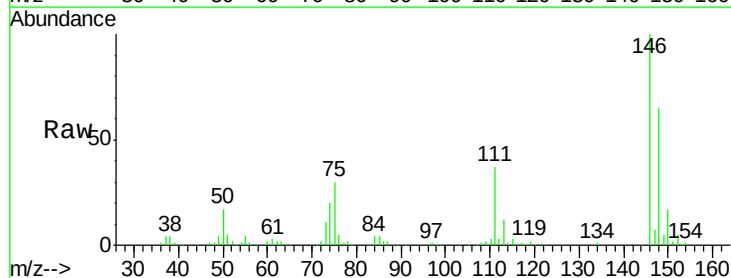
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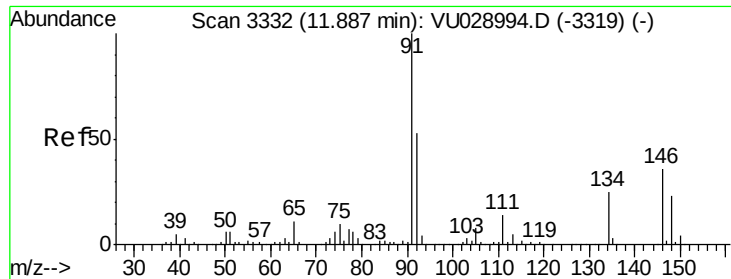
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#88
 1,4-Dichlorobenzene
 Concen: 47.085 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029260.D
 Acq: 21 Jan 2019 19:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.3
148	64.3	32.6	98.0





#89

n-Butylbenzene

Concen: 55.275 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VU029260.D

Acq: 21 Jan 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 254899

Ion Ratio Lower Upper

91 100

92 53.0 26.2 78.5

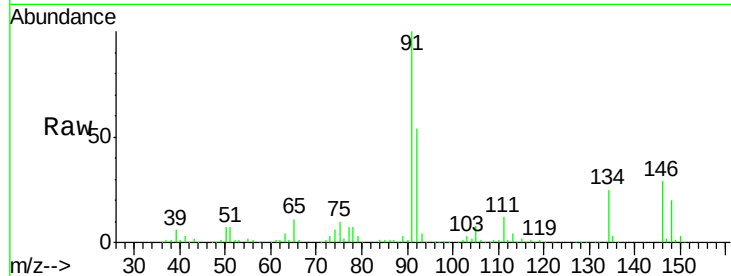
134 24.3 12.6 37.6

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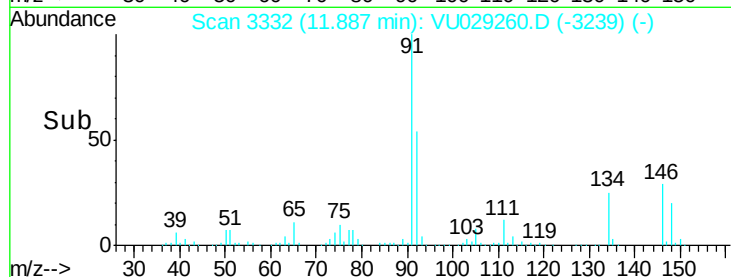


Abundance Ion 91.00 (90.70 to 91.70): VU028994.D (-3319) (-)

Ion 92.00 (91.70 to 92.70): VU028994.D (-3319) (-)

Ion 134.00 (133.70 to 134.70): VU028994.D (-3319) (-)

Time-->

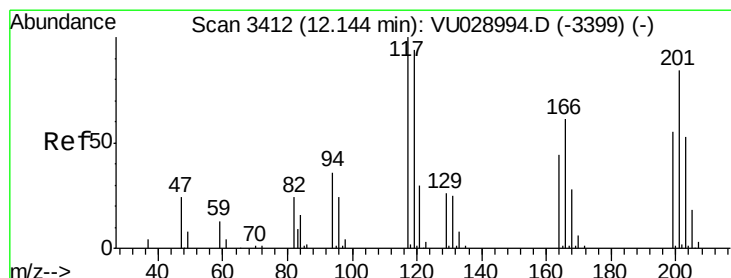


Abundance Ion 91.00 (90.70 to 91.70): VU029260.D (-3239) (-)

Ion 92.00 (91.70 to 92.70): VU029260.D (-3239) (-)

Ion 134.00 (133.70 to 134.70): VU029260.D (-3239) (-)

Time-->



#90

Hexachloroethane

Concen: 51.835 ug/l

RT: 12.14 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VU029260.D

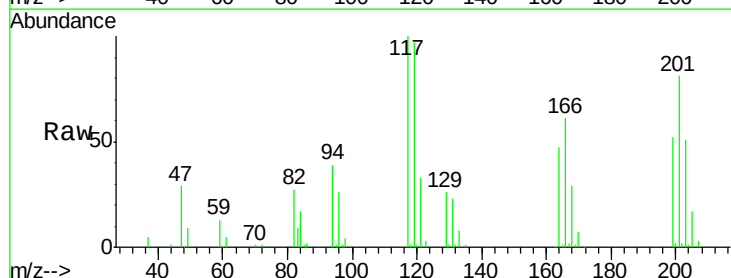
Acq: 21 Jan 2019 19:44

Tgt Ion: 117 Resp: 45055

Ion Ratio Lower Upper

117 100

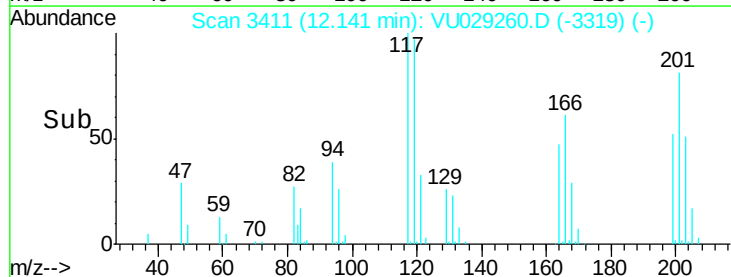
201 83.0 42.4 127.3



Abundance Ion 116.80 (116.50 to 117.50): VU028994.D (-3399) (-)

Ion 200.70 (200.40 to 201.40): VU028994.D (-3399) (-)

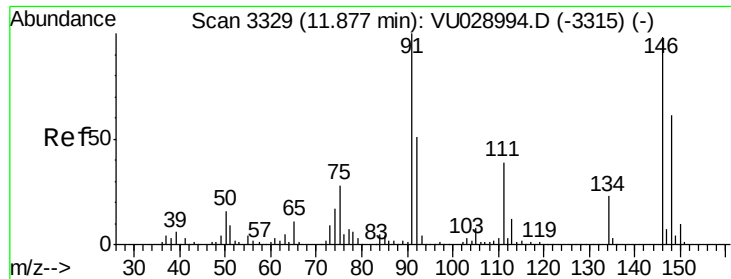
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VU029260.D (-3319) (-)

Ion 200.70 (200.40 to 201.40): VU029260.D (-3319) (-)

Time-->



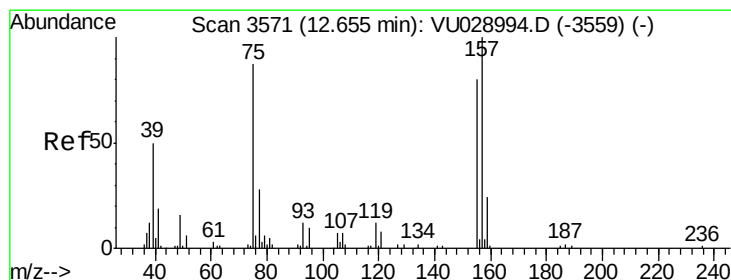
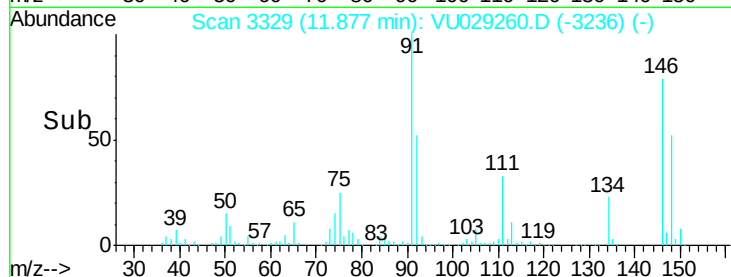
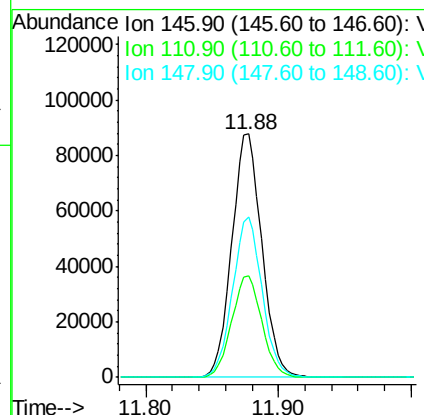
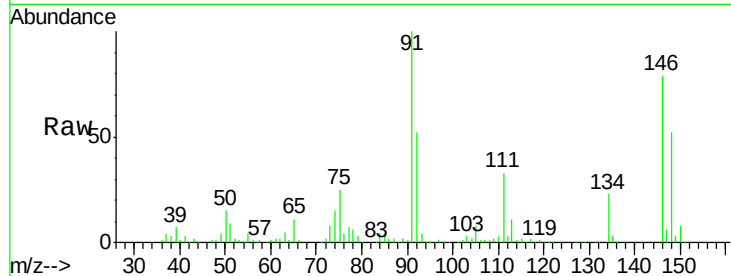
#91
 1,2-Dichlorobenzene
 Concen: 47.126 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029260.D
 Acq: 21 Jan 2019 19:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.0	59.9
148	64.5	31.6	94.8

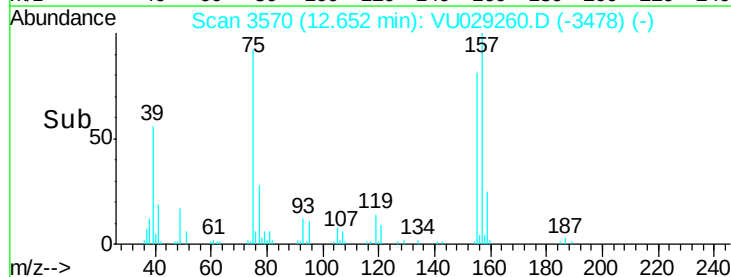
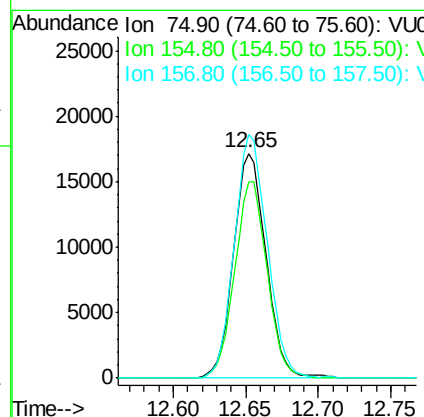
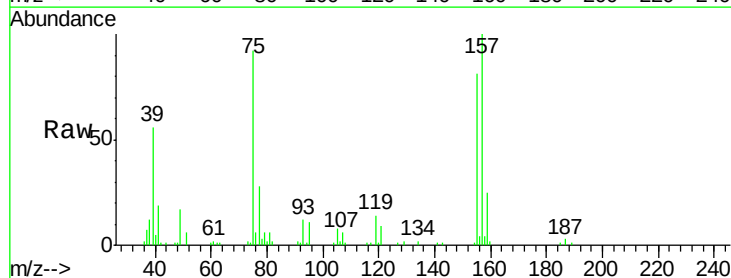
Manual Integrations
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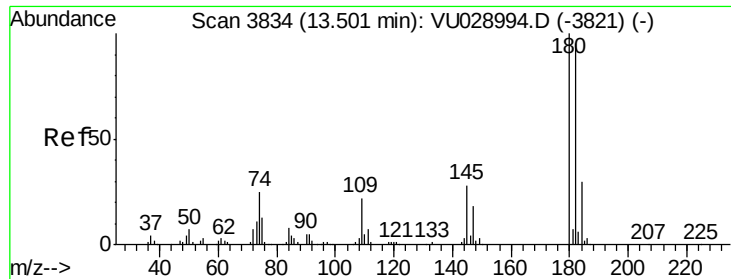
MMDadoda
 1/22/2019 10:40:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.978 ug/l
 RT: 12.65 min Scan# 3570
 Delta R.T. -0.00 min
 Lab File: VU029260.D
 Acq: 21 Jan 2019 19:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.0	46.3	138.8
157	109.7	57.4	172.0





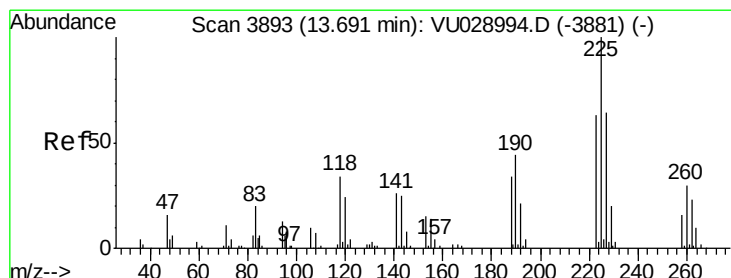
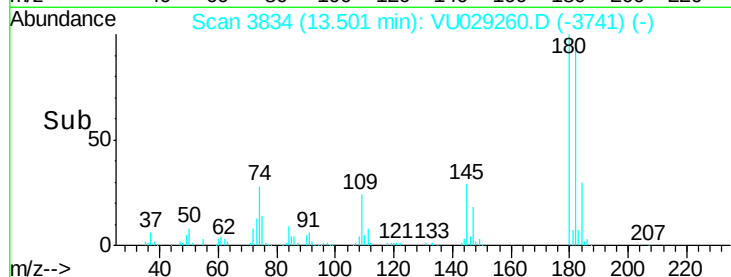
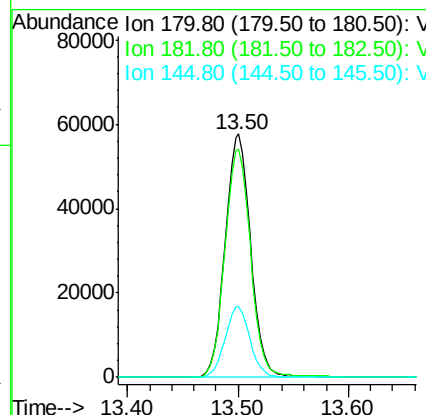
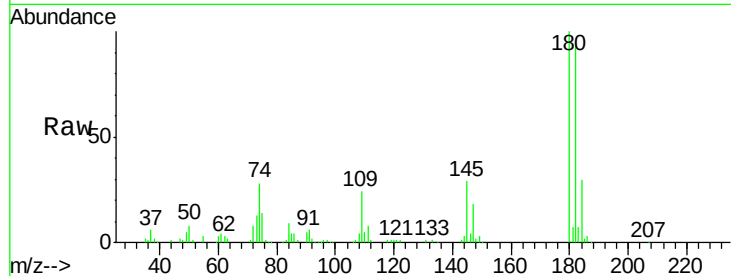
#93
 1,2,4-Trichlorobenzene
 Concen: 49.538 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029260.D
 Acq: 21 Jan 2019 19:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.5	142.6
145	28.4	14.0	42.0

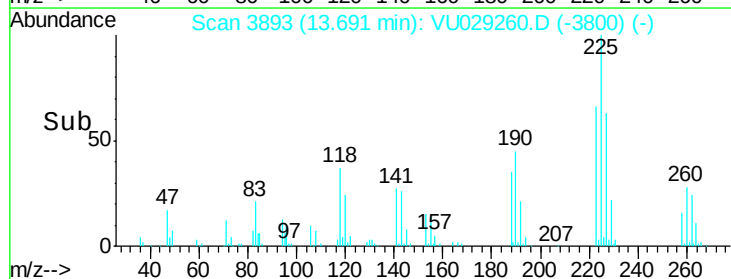
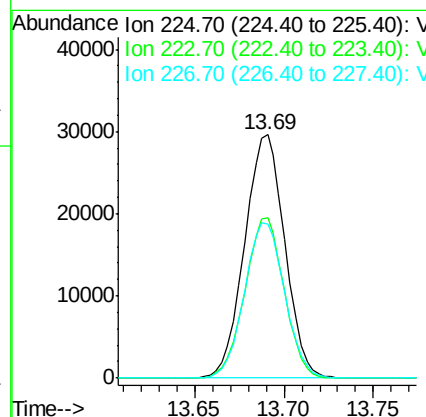
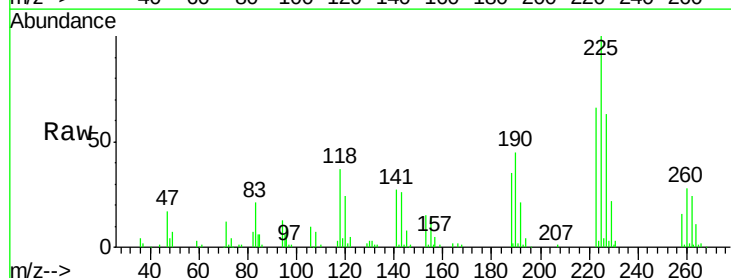
Manual Integrations
 APPROVED

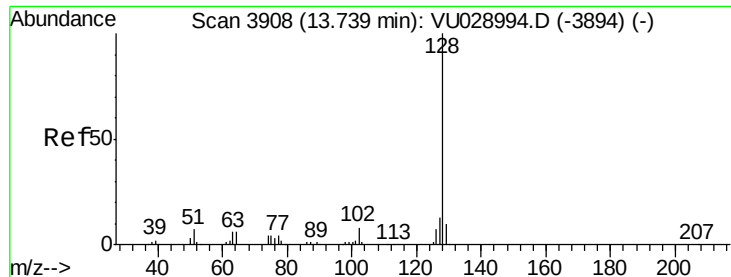
MMDadoda
 1/22/2019 10:40:34 AM



#94
 Hexachlorobutadiene
 Concen: 54.485 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029260.D
 Acq: 21 Jan 2019 19:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.4	94.0
227	63.8	31.9	95.5





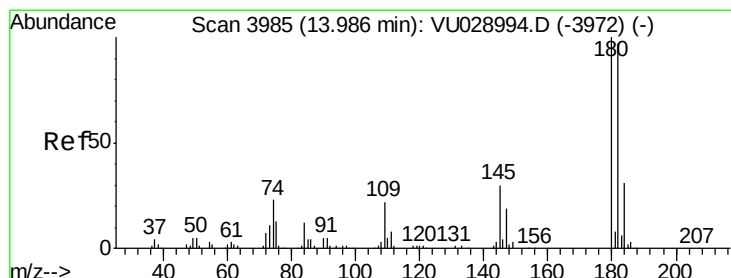
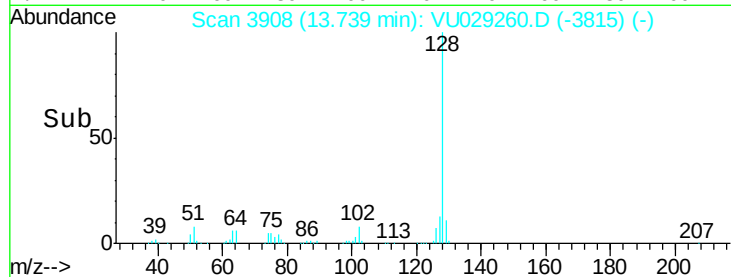
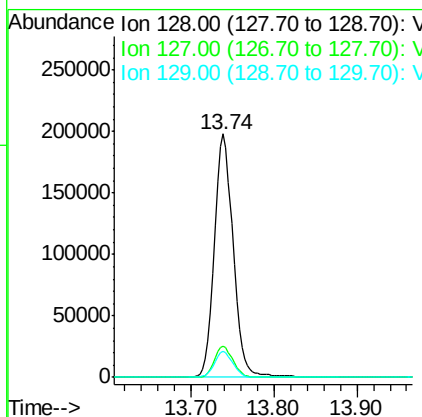
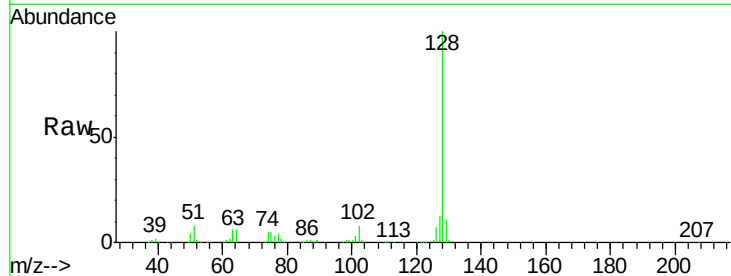
#95
Naphthalene
Concen: 49.130 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. 0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.4	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/22/2019 10:40:34 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.577 ug/l
RT: 13.98 min Scan# 3984
Delta R.T. -0.00 min
Lab File: VU029260.D
Acq: 21 Jan 2019 19:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.1	144.3
145	30.1	14.8	44.4

