

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033119\
 Data File : VU030580.D
 Acq On : 30 Mar 2019 19:44
 Operator : JC/SP
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Quant Time: Mar 31 01:46:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U033119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sun Mar 31 01:11:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	57042	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	22516	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	20564	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	

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Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	233992	9.752	ug/l	100
3) Chloromethane	1.33	50	280013	9.032	ug/l	99
4) Vinyl Chloride	1.40	62	261634	9.767	ug/l	99
5) Bromomethane	1.62	94	97017	8.398	ug/l	95
6) Chloroethane	1.69	64	141758	9.176	ug/l	99
7) Trichlorofluoromethane	1.88	101	295264	10.036	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	144377	9.660	ug/l	100
9) 1,1-Dichloroethene	2.28	96	141989	9.440	ug/l	97
10) Iodomethane	2.41	142	91028	6.430	ug/l	100
11) Allyl Chloride	2.59	41	316403	9.656	ug/l	100
12) Acrylonitrile	2.94	53	87685	20.526	ug/l	97
13) Acetone	2.32	43	185450	46.336	ug/l	100
14) Carbon Disulfide	2.47	76	531053	9.663	ug/l	99
15) Methylene Chloride	2.69	84	174374	9.141	ug/l	99
16) trans-1,2-Dichloroethene	2.97	96	163522	9.623	ug/l	99
17) 1,1-Dichloroethane	3.43	63	348274	10.094	ug/l	99
18) 2-Butanone	4.28	43	295825	57.173	ug/l	100
19) Cyclohexane	4.98	56	298884m	10.269	ug/l	
20) Methylcyclohexane	6.41	83	266768	10.446	ug/l	98
21) 2,2-Dichloropropane	4.22	77	224845	8.479	ug/l	98
22) cis-1,2-Dichloroethene	4.22	96	185706	10.177	ug/l	95
23) Diethyl Ether	2.10	59	144647	10.119	ug/l	99
24) tert-Butyl Alcohol	2.84	59	168985	114.190	ug/l	100
25) Methyl tert-Butyl Ether	3.00	73	449217	10.316	ug/l	99
26) Bromochloromethane	4.54	128	70764	9.903	ug/l	99
27) Chloroform	4.67	83	325333	10.093	ug/l	100
28) 1,1,1-Trichloroethane	4.91	97	268631	10.096	ug/l	99
29) 1,1-Dichloropropene	5.13	75	238468	9.993	ug/l	99
30) Carbon Tetrachloride	5.13	117	227486	10.243	ug/l	100
31) Isopropyl Ether	3.58	45	581712	10.123	ug/l	99
32) Ethyl-t-butyl ether	4.07	59	471497	10.302	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	405994	11.077	ug/l	99
34) Propionitrile	4.33	54	79369	56.425	ug/l #	97
35) Benzene	5.38	78	712202	10.091	ug/l	99
36) 1,2-Dichloroethane	5.40	62	218275	10.125	ug/l	98
37) Trichloroethene	6.18	130	165417	9.770	ug/l	99
38) 1,2-Dichloropropane	6.43	63	196038	10.028	ug/l	95
39) Methacrylonitrile	4.55	41	74004	11.661	ug/l	98
40) Methyl acrylate	4.43	55	101291	11.672	ug/l	98
41) Tetrahydrofuran	4.65	42	78160	21.714	ug/l	96
42) 1-Chlorobutane	5.06	56	372763	10.434	ug/l	98

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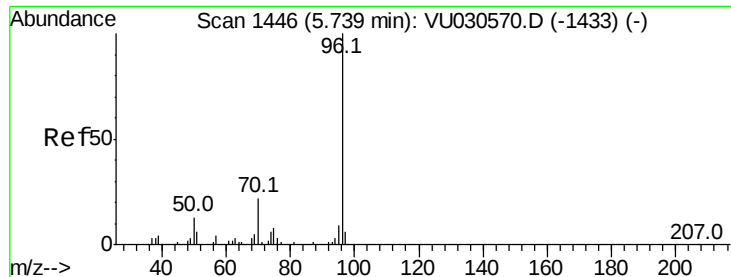
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
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Quant Time: Mar 31 01:46:28 2019
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	92444	10.430	ug/l	98
44) Bromodichloromethane	6.75	83	238977	10.188	ug/l	100
45) 4-Methyl-2-Pentanone	7.46	43	696622	57.154	ug/l	100
46) t-1,4-Dichloro-2-butene	10.51	75	91258m	23.331	ug/l	
47) Methyl methacrylate	6.62	69	184407	24.530	ug/l	99
48) Ethyl methacrylate	8.02	69	177802	12.063	ug/l	100
49) Toluene	7.63	92	419893	10.857	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	213745	10.874	ug/l	96
51) cis-1,3-Dichloropropene	7.27	75	257380	10.529	ug/l	99
52) 1,1,2-Trichloroethane	8.06	97	126912	10.506	ug/l	97
53) 1,3-Dichloropropane	8.24	76	229118	10.371	ug/l	100
54) 2-Hexanone	8.36	43	480091	58.324	ug/l	100
55) Dibromochloromethane	8.47	129	144481	10.317	ug/l	99
56) 1,2-Dibromoethane	8.59	107	116830	10.425	ug/l	99
58) Tetrachloroethene	8.22	164	160107	10.573	ug/l	97
59) Chlorobenzene	9.12	112	433966	10.385	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	153884	9.937	ug/l	99
61) Pentachloroethane	11.10	117	114962	9.625	ug/l	98
62) Hexachloroethane	12.14	117	104030	10.008	ug/l	98
63) Ethyl Benzene	9.25	91	799083	10.771	ug/l	99
64) m/p-Xylenes	9.37	106	595700	21.952	ug/l	96
65) o-Xylene	9.77	106	291383	11.169	ug/l	98
66) Styrene	9.79	104	505406	11.494	ug/l	99
67) Bromoform	9.95	173	82470	10.751	ug/l	96
69) Isopropylbenzene	10.16	105	772172	10.877	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	177587	10.501	ug/l	100
71) 1,2,3-Trichloropropane	10.49	75	102819	9.537	ug/l #	99
72) Bromobenzene	10.45	156	177122	10.399	ug/l	100
73) n-propylbenzene	10.58	120	205461	11.292	ug/l	98
74) 2-Chlorotoluene	10.66	126	182931	10.838	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	665909	11.159	ug/l	99
76) 4-Chlorotoluene	10.77	126	188937	11.012	ug/l	98
77) tert-Butylbenzene	11.10	119	613425	10.854	ug/l	100
78) 1,2,4-Trimethylbenzene	11.14	105	673353	11.382	ug/l	98
79) sec-Butylbenzene	11.32	105	835445	10.877	ug/l	99
80) Nitrobenzene	12.86	77	19069	83.690	ug/l #	95
81) p-Isopropyltoluene	11.47	119	654634	11.097	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	347301	10.204	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	346368	10.154	ug/l	99
84) n-Butylbenzene	11.89	91	623331	10.924	ug/l	100
85) 1,2-Dichlorobenzene	11.88	146	323197	10.091	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	28120	11.338	ug/l	97
87) 1,2,4-Trichlorobenzene	13.50	180	197332	10.793	ug/l	99
88) Hexachlorobutadiene	13.69	225	115290	10.000	ug/l	98
89) Naphthalene	13.74	128	355857	11.148	ug/l	100
90) 1,2,3-Trichlorobenzene	13.98	180	185736	10.704	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 96 Resp: 57042

Ion Ratio Lower Upper

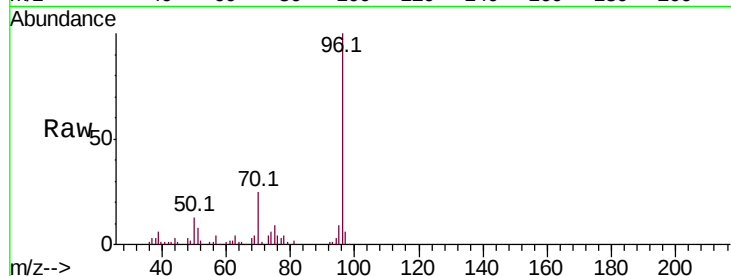
96 100

70 22.1 15.6 23.4

95 9.3 7.3 10.9

97 0.0 0.0 0.0

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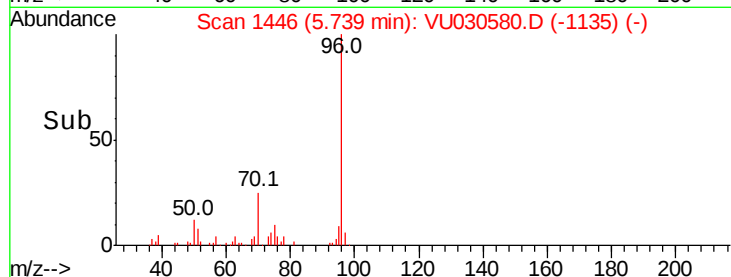
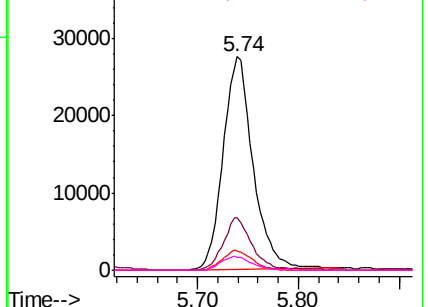


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

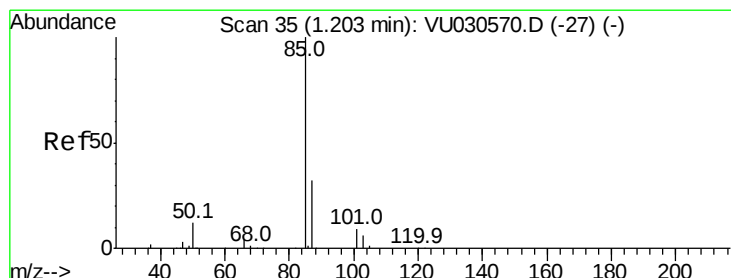
Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



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#2

Dichlorodifluoromethane

Concen: 9.752 ug/l

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU030580.D

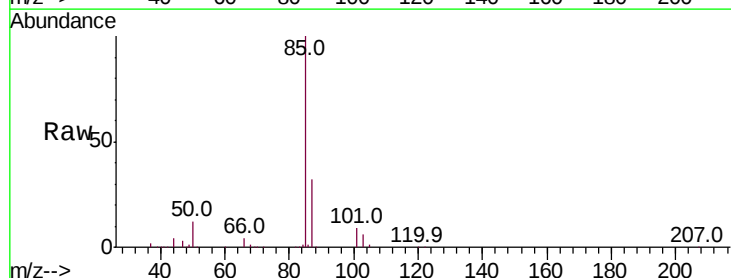
Acq: 30 Mar 2019 19:44

Tgt Ion: 85 Resp: 233992

Ion Ratio Lower Upper

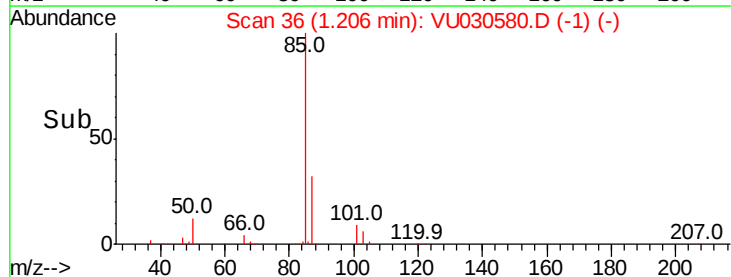
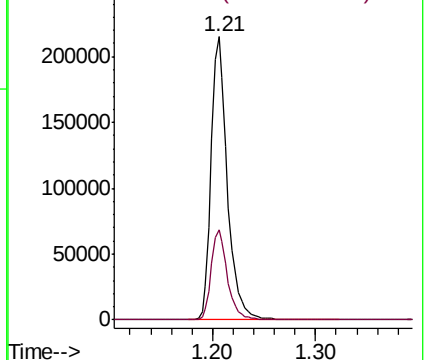
85 100

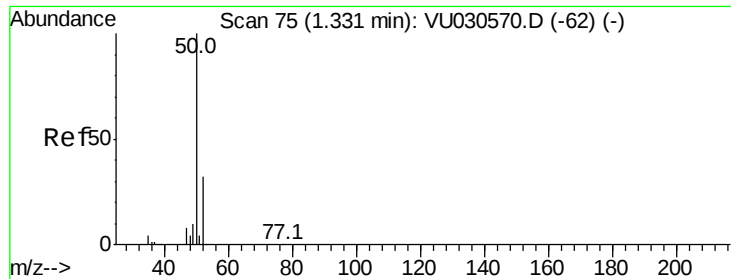
87 31.9 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 9.032 ug/l

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

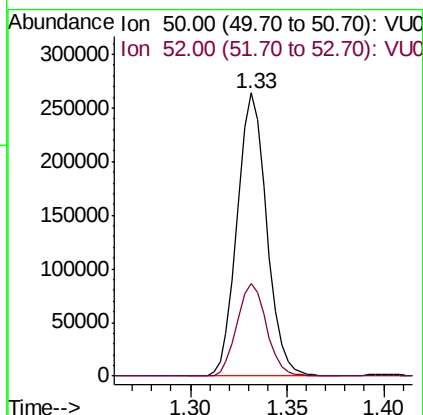
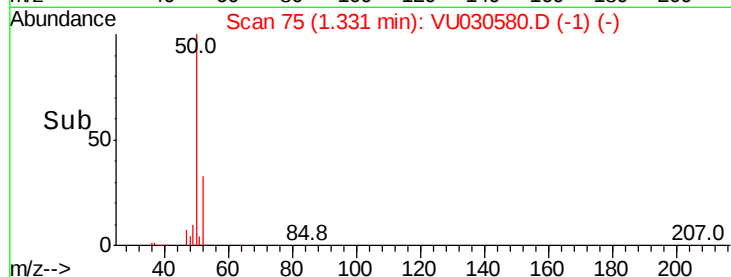
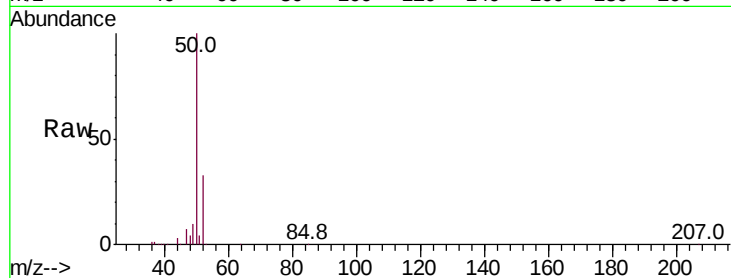
Tot Ion: 50 Resp: 280013

Ion Ratio Lower Upper

50 100

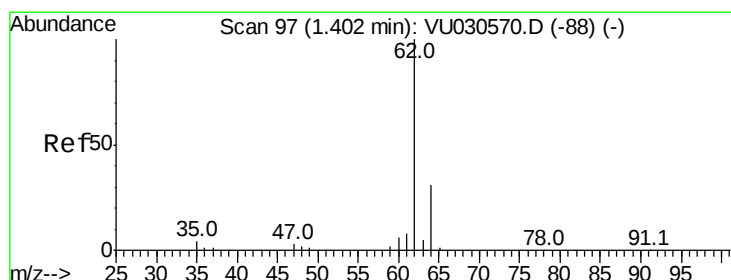
52 32.9 25.8 38.8

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#4

Vinyl Chloride

Concen: 9.767 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030580.D

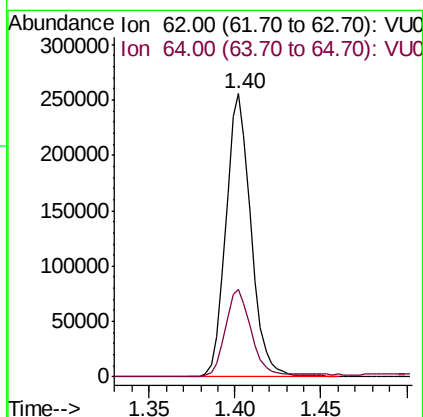
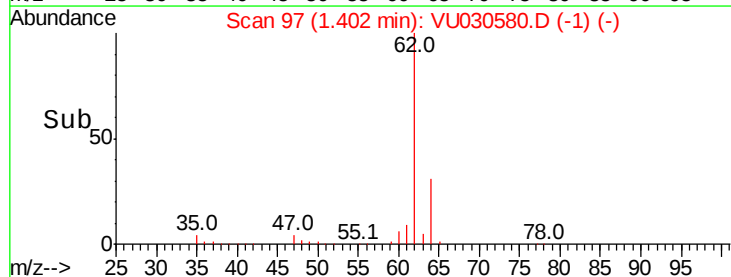
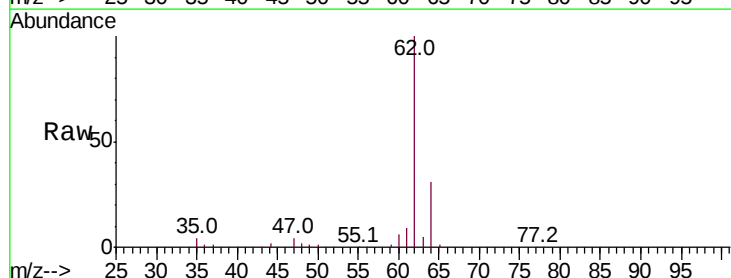
Acq: 30 Mar 2019 19:44

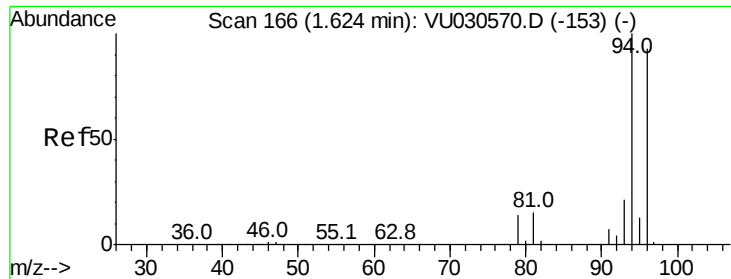
Tgt Ion: 62 Resp: 261634

Ion Ratio Lower Upper

62 100

64 30.6 25.1 37.7





#5

Bromomethane

Concen: 8.398 ug/l

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

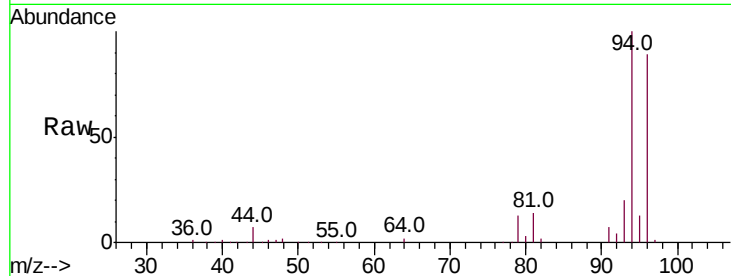
Tot Ion: 94 Resp: 97017

Ion Ratio Lower Upper

94 100

96 89.1 74.8 112.2

Manual Integrations
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Abundance Ion 94.00 (93.70 to 94.70): VU030570.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU030580.D (-10) (-)

1.62

80000

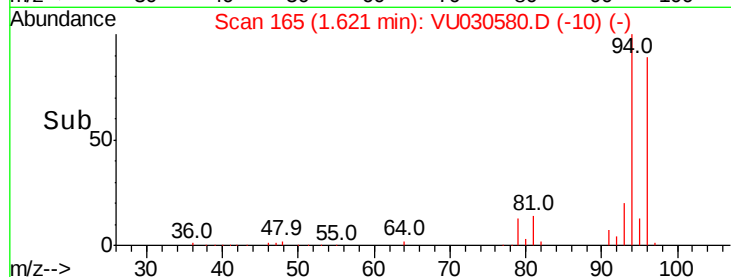
60000

40000

20000

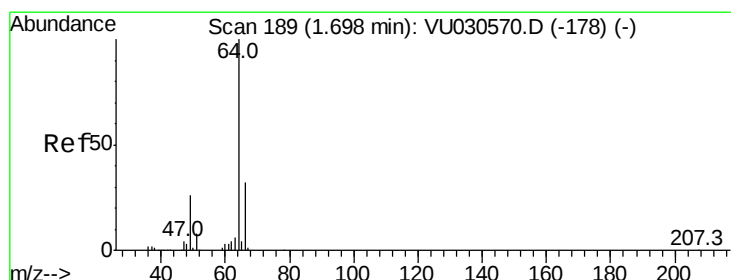
0

Time--> 1.55 1.60 1.65 1.70



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#6

Chloroethane

Concen: 9.176 ug/l

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU030580.D

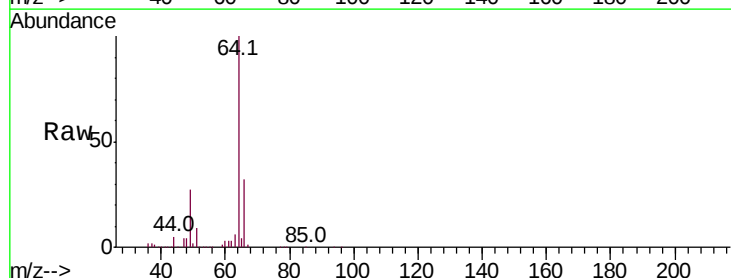
Acq: 30 Mar 2019 19:44

Tgt Ion: 64 Resp: 141758

Ion Ratio Lower Upper

64 100

66 32.3 25.5 38.3



Abundance Ion 64.00 (63.70 to 64.70): VU030570.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU030580.D (-33) (-)

1.69

120000

100000

80000

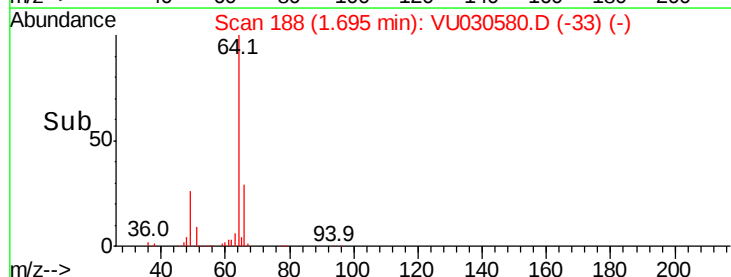
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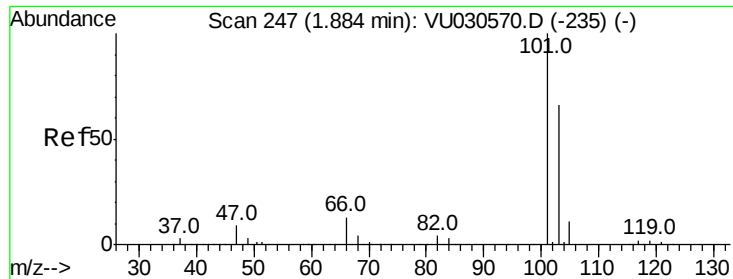
40000

20000

0

Time--> 1.65 1.70 1.75





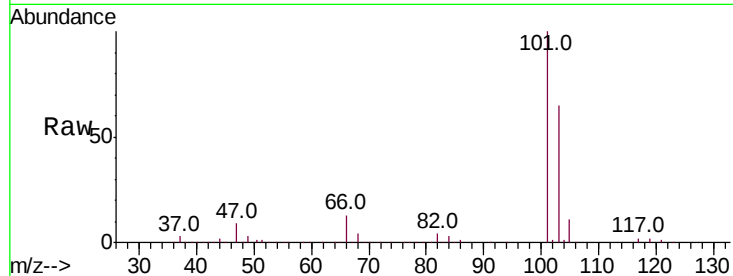
#7

Trichlorofluoromethane
Concen: 10.036 ug/l
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

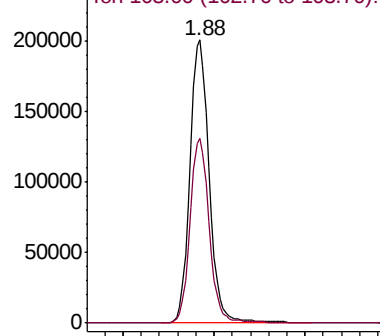
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.6	79.0

Manual Integrations
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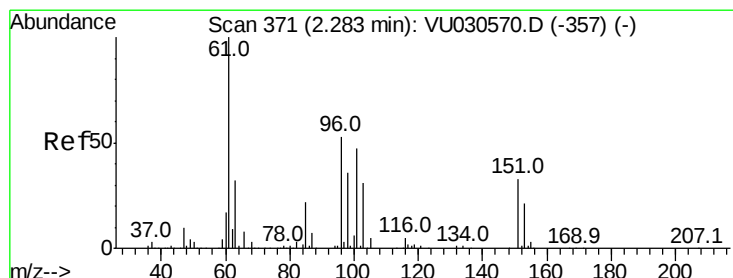
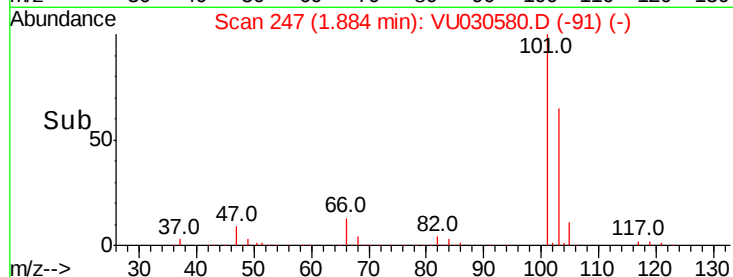


Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



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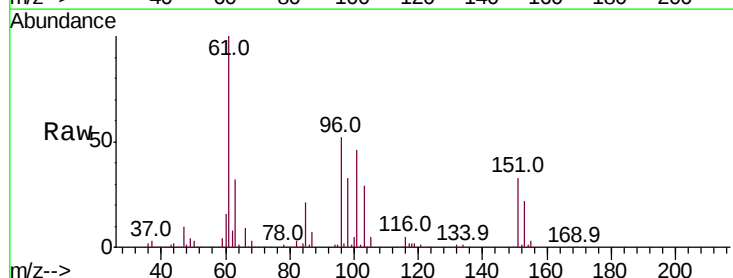
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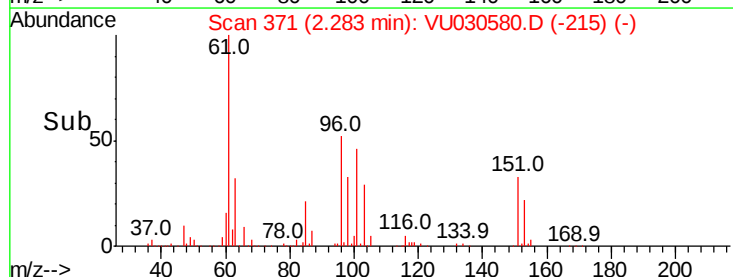
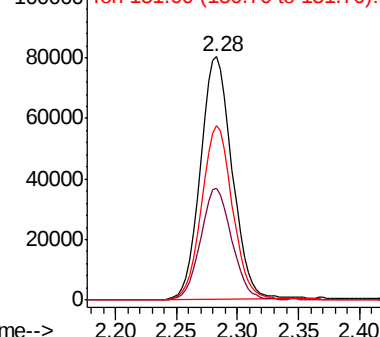
#8

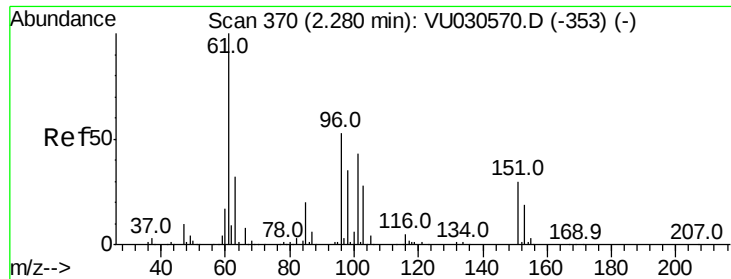
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 9.660 ug/l
RT: 2.28 min Scan# 371
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion	Ratio	Lower	Upper
101	100		
85	45.5	36.5	54.7
151	70.1	56.5	84.7



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VU0
Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 9.440 ug/l

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :

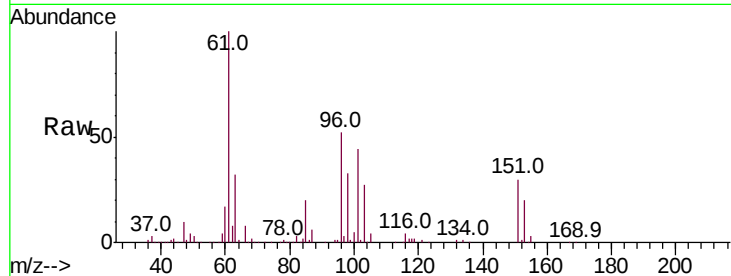
MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:	96	Resp:	141989
Ion	Ratio	Lower	Upper
96	100		
61	193.8	0.0	567.0
98	63.2	0.0	132.2

Manual Integrations
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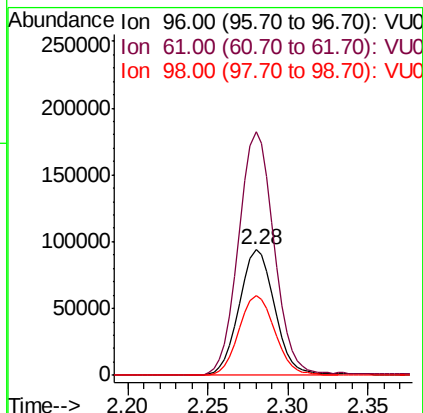
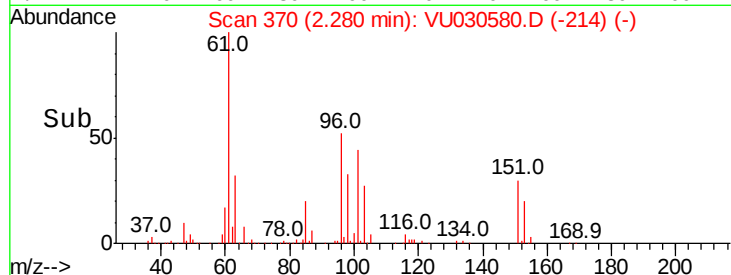


Abundance Ion 96.00 (95.70 to 96.70): VU030570.D (-353) (-)

Ion 61.00 (60.70 to 61.70): VU030570.D (-353) (-)

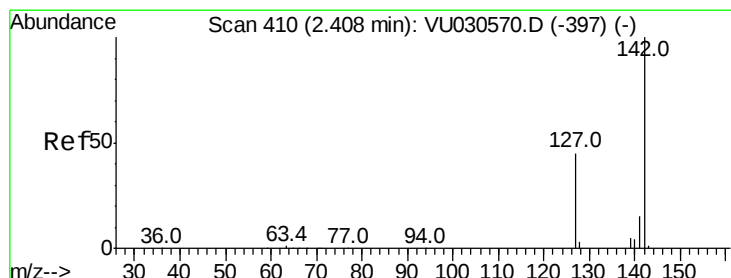
Ion 98.00 (97.70 to 98.70): VU030570.D (-353) (-)

Time-->



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#10

Iodomethane

Concen: 6.430 ug/l

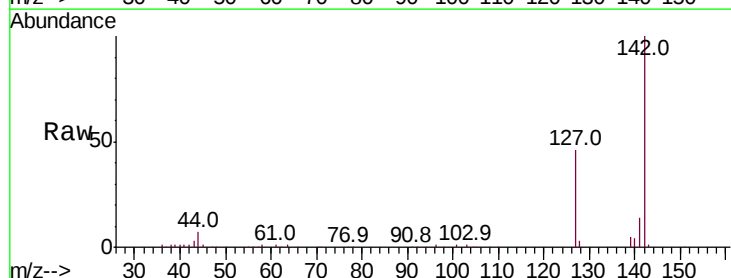
RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

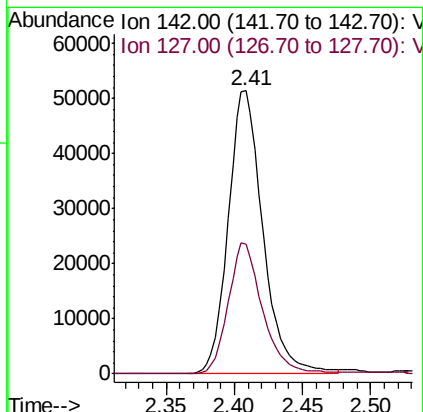
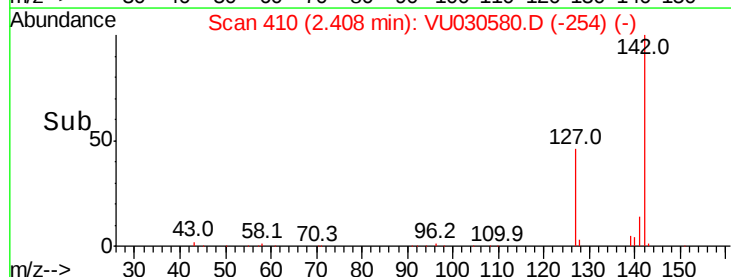
Tgt Ion:	142	Resp:	91028
Ion	Ratio	Lower	Upper
142	100		
127	45.8	36.8	55.2

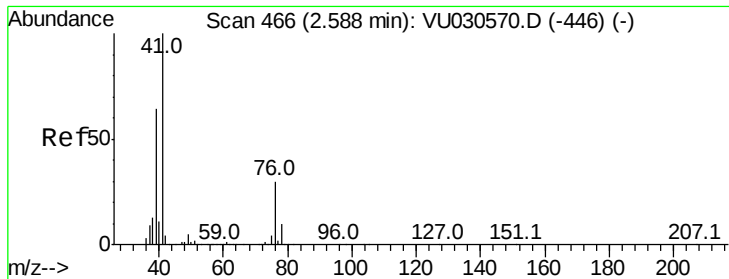


Abundance Ion 142.00 (141.70 to 142.70): VU030570.D (-397) (-)

Ion 127.00 (126.70 to 127.70): VU030570.D (-397) (-)

Time-->



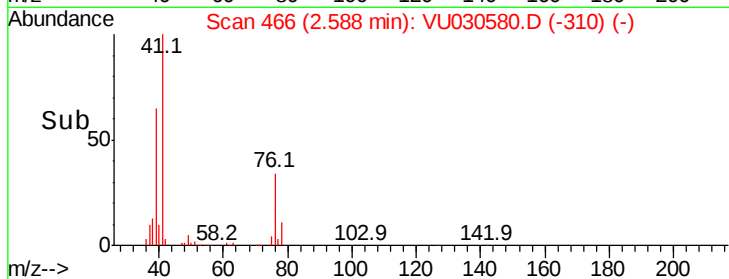
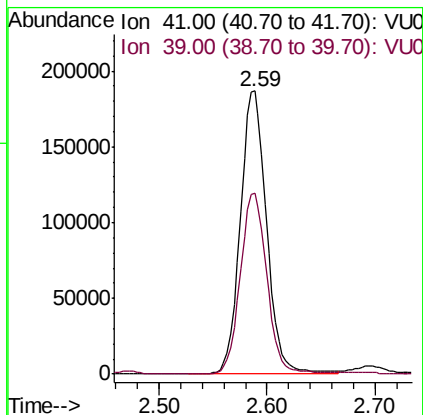
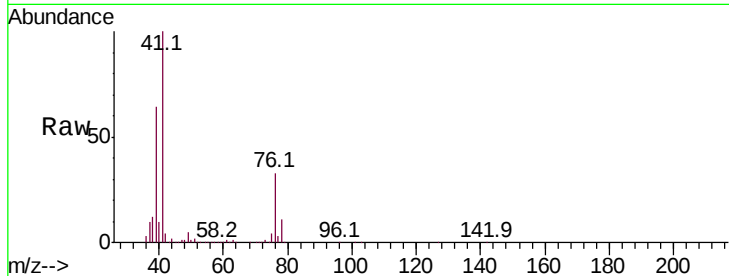


#11
Allvl Chloride
Concen: 9.656 ug/l
RT: 2.59 min Scan# 466
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

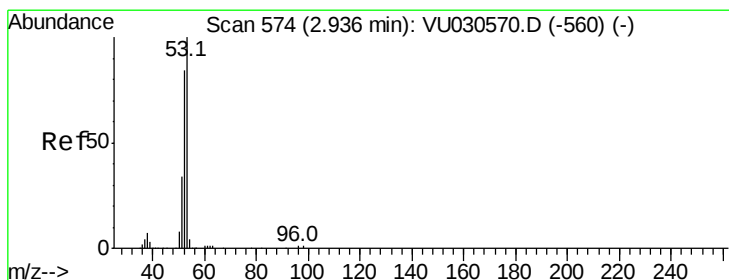
Tot Ion	41	Ratio	39	Resp	Lower	Upper
41	100					
39	64.4			51.8		77.6

Manual Integrations
APPROVED



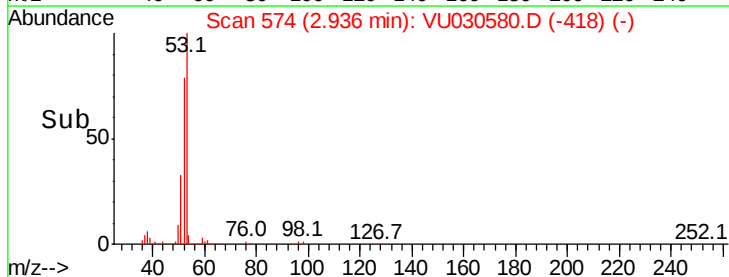
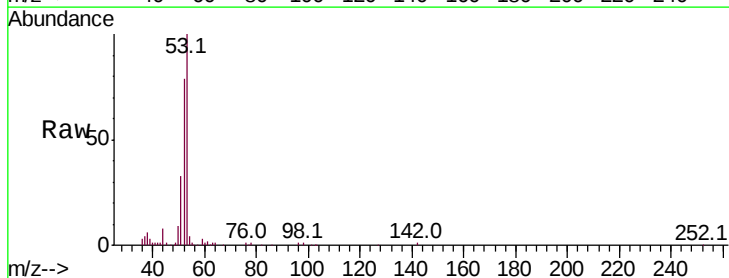
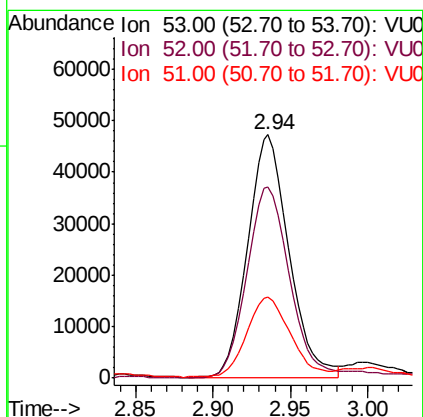
MMDadoda

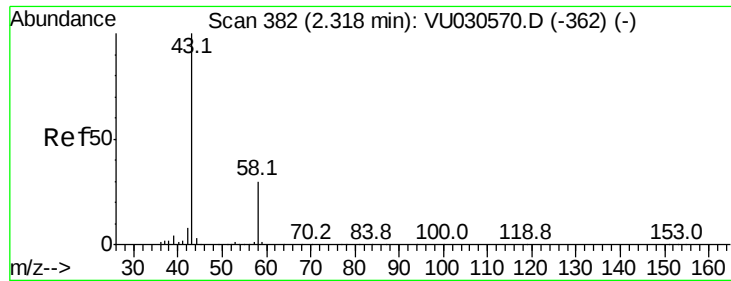
4/5/2019 2:39:09 PM



#12
Acrylonitrile
Concen: 20.526 ug/l
RT: 2.94 min Scan# 574
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion	53	Ratio	52	51	Resp	Lower	Upper
53	100						
52	81.9				69.1		103.7
51	34.8				27.9		41.9





#13

Acetone

Concen: 46.336 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

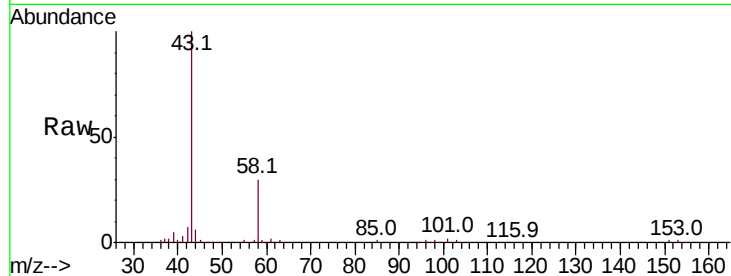
Tot Ion: 43 Resp: 185450

Ion Ratio Lower Upper

43 100

58 30.4 24.2 36.4

Manual Integrations
APPROVED



Abundance Ion 43.00 (42.70 to 43.70): VU030570.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU030570.D (-362) (-)

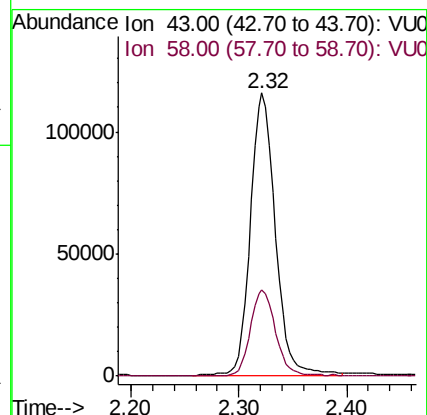
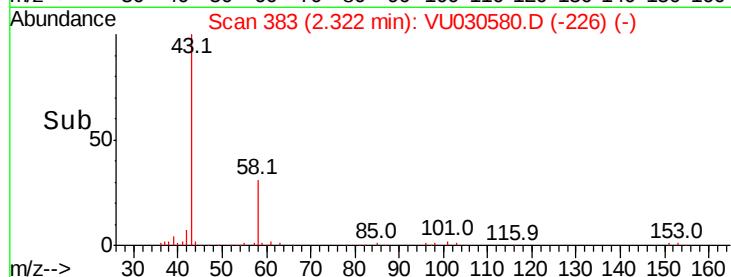
2.32

100000

50000

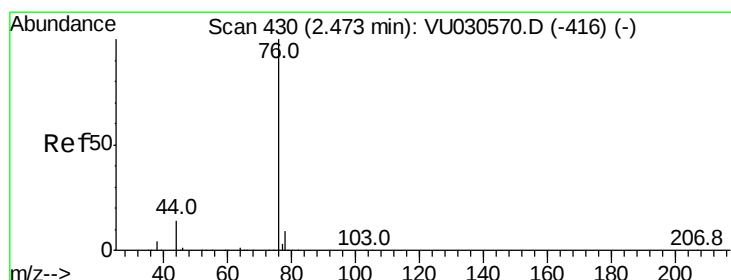
0

Time-->



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#14

Carbon Disulfide

Concen: 9.663 ug/l

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU030580.D

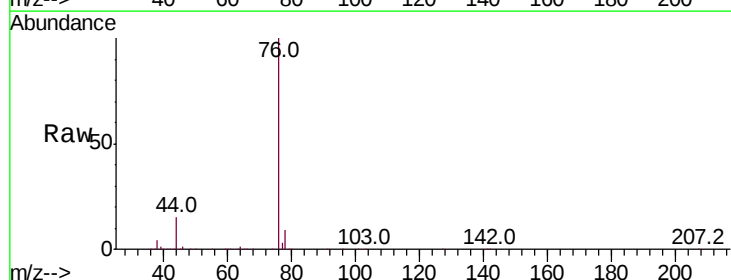
Acq: 30 Mar 2019 19:44

Tgt Ion: 76 Resp: 531053

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU030570.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU030570.D (-416) (-)

2.47

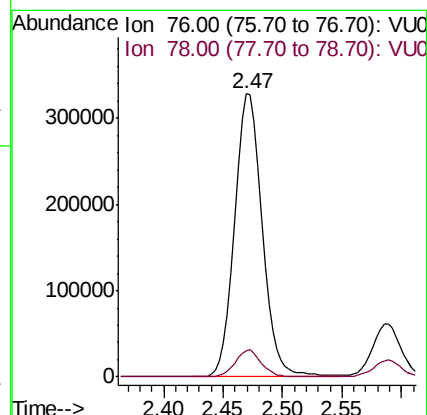
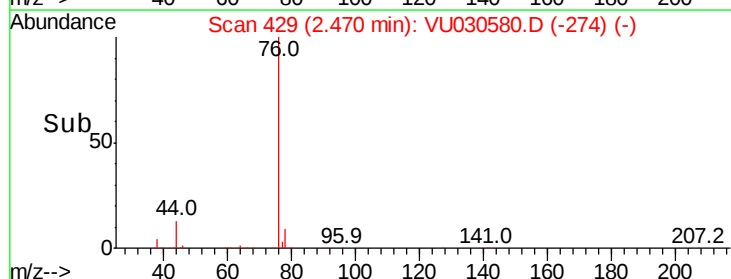
300000

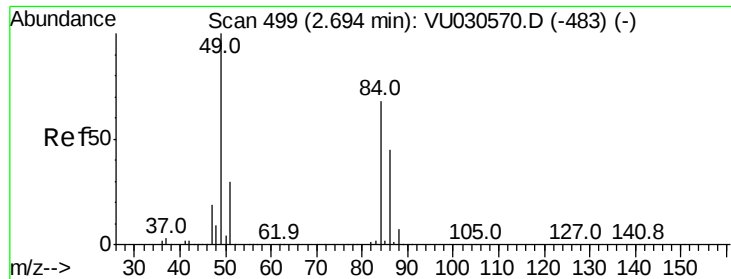
200000

100000

0

Time-->



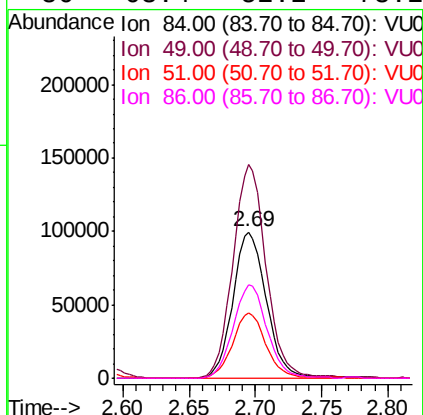
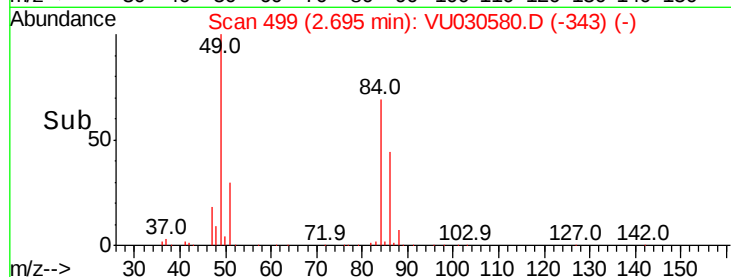
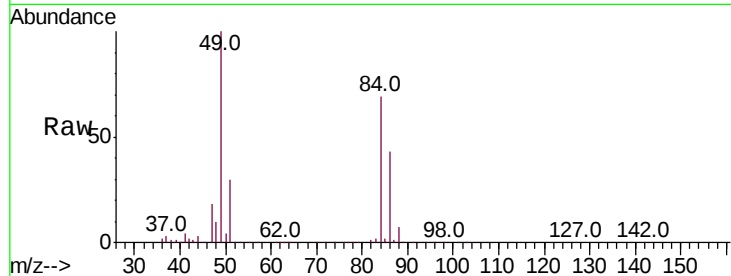


#15
Methvlene Chloride
Concen: 9.141 ug/l
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

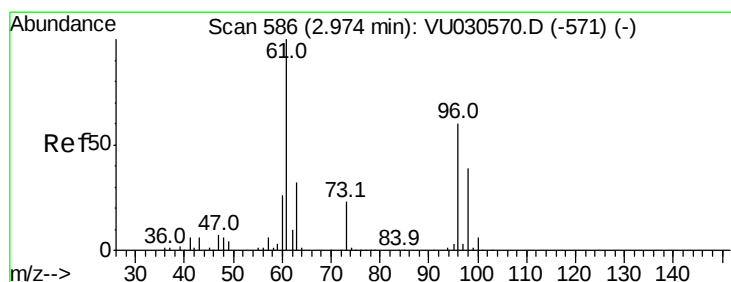
Tot Ion	Ratio	Lower	Upper
84	100		
49	145.7	117.0	175.6
51	44.3	0.0	88.6
86	63.4	52.2	78.2

Manual Integrations
APPROVED



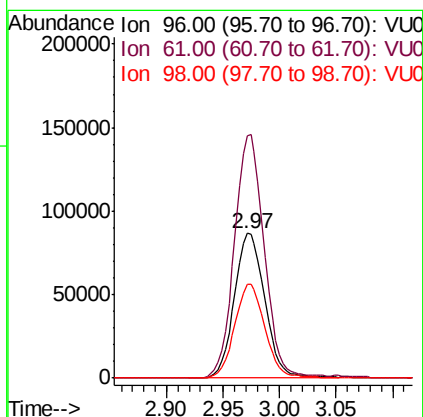
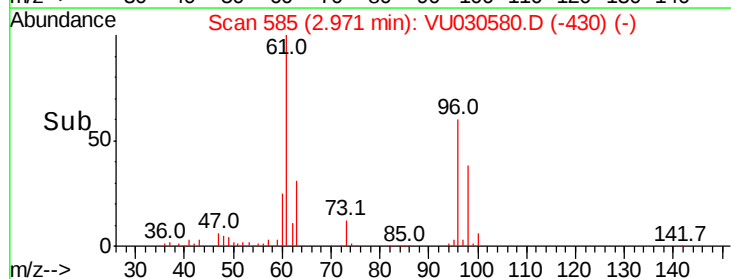
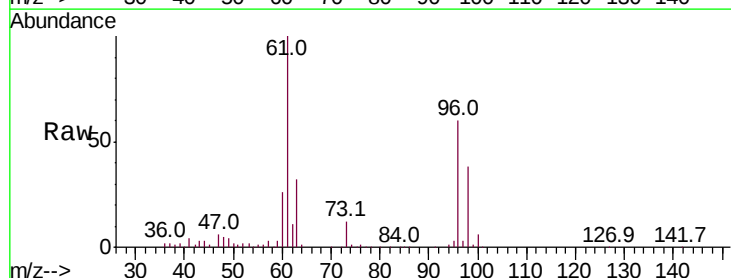
MMDadoda

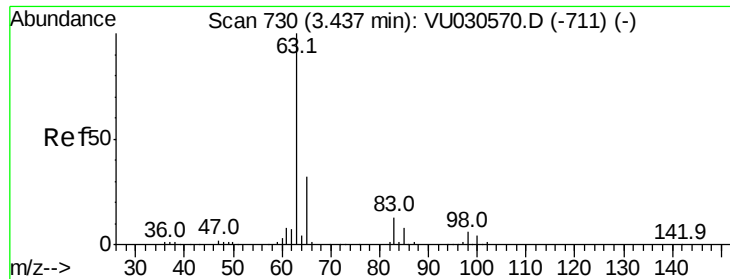
4/5/2019 2:39:09 PM



#16
trans-1,2-Dichloroethene
Concen: 9.623 ug/l
RT: 2.97 min Scan# 585
Delta R.T. -0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.4	132.3	198.5
98	64.4	51.3	76.9



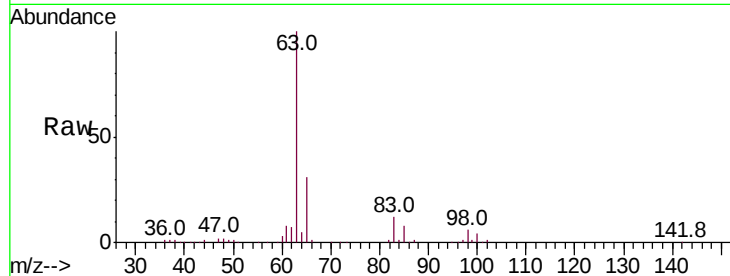


#17
 1,1-Dichloroethane
 Concen: 10.094 ug/l
 RT: 3.43 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

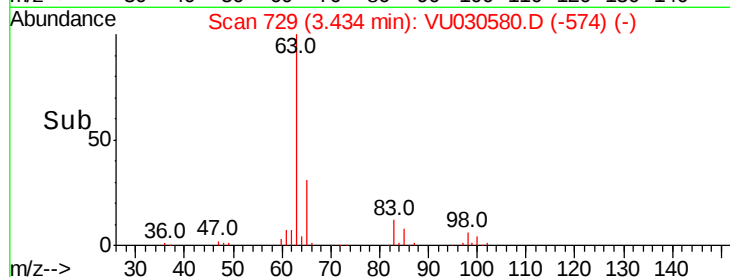
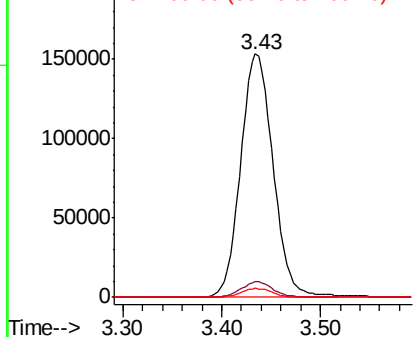
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.0	9.0
100	3.6	1.8	5.5

Manual Integrations
 APPROVED

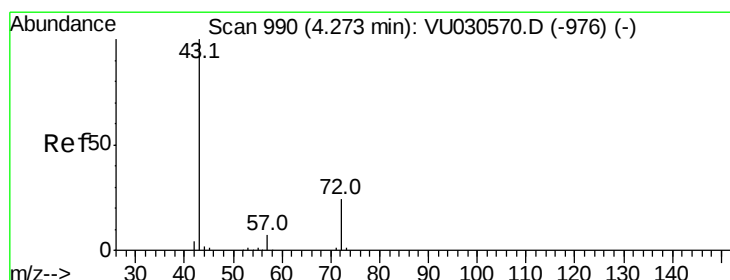


Abundance Ion 63.00 (62.70 to 63.70): VU030570.D (-711) (-)
 Ion 98.00 (97.70 to 98.70): VU030570.D (-711) (-)
 Ion 100.00 (99.70 to 100.70): VU030570.D (-711) (-)



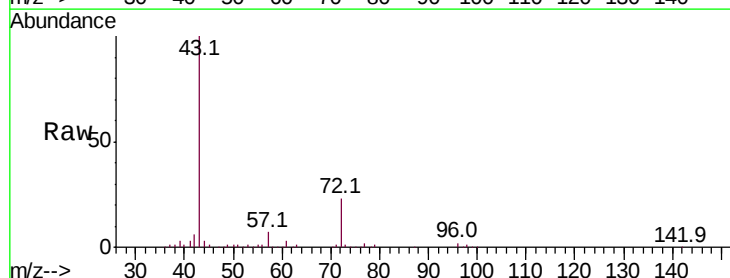
MMDadoda

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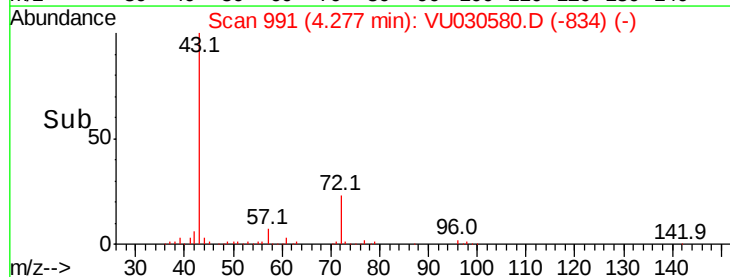
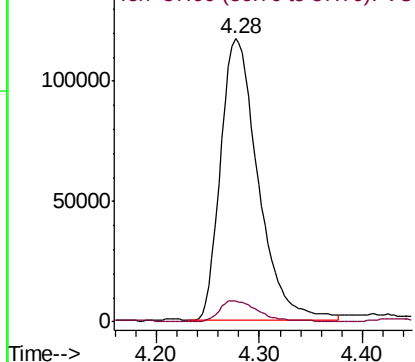


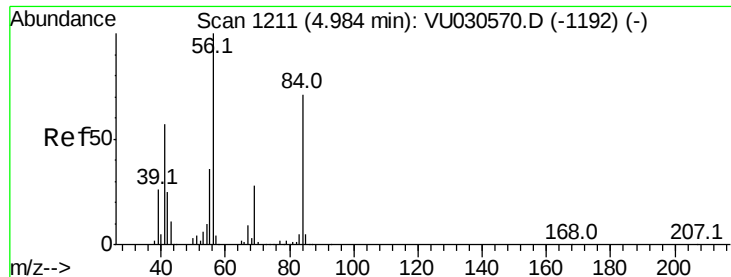
#18
 2-Butanone
 Concen: 57.173 ug/l
 RT: 4.28 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.3	0.0	14.4



Abundance Ion 43.00 (42.70 to 43.70): VU030570.D (-976) (-)
 Ion 57.00 (56.70 to 57.70): VU030570.D (-976) (-)



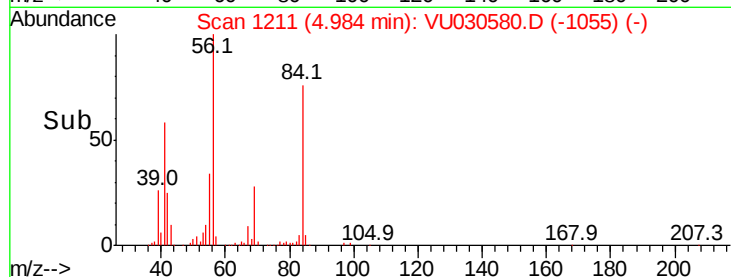
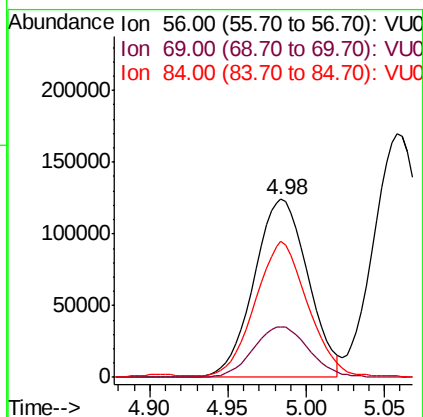
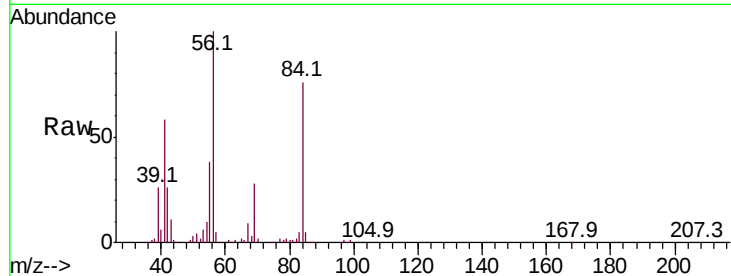


#19
Cyclohexane
Concen: 10.269 ug/l m
RT: 4.98 min Scan# 1211
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

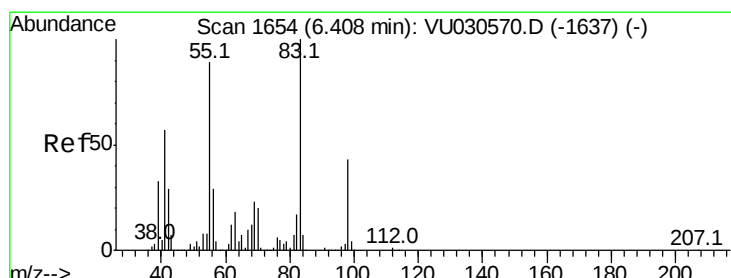
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.2	22.3	33.5
84	73.2	57.6	86.4

Manual Integrations
APPROVED



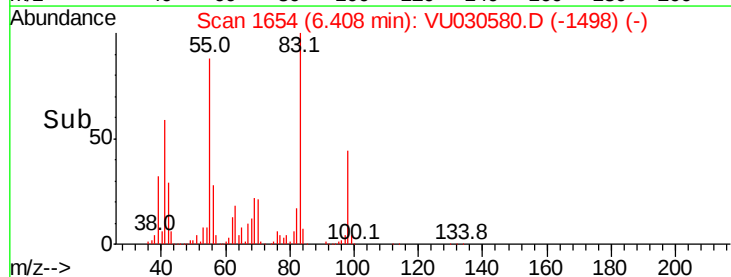
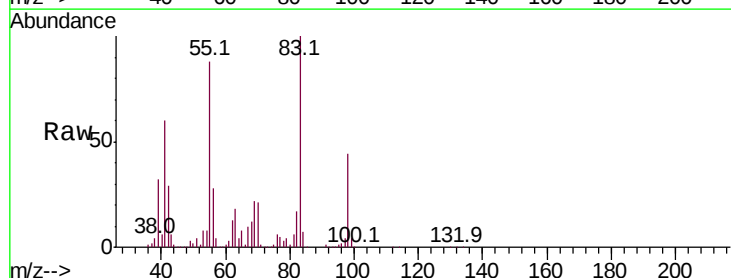
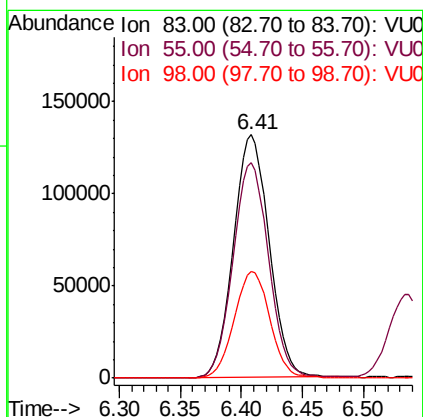
MMDadoda

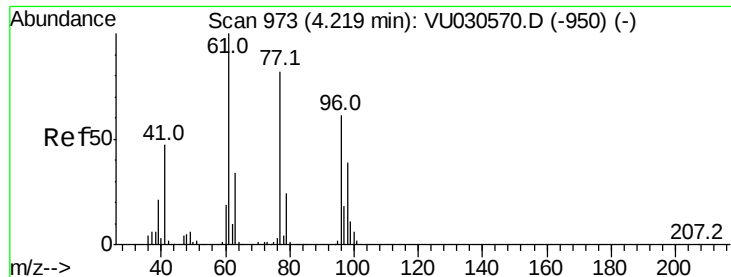
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#20
Methylcyclohexane
Concen: 10.446 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion	Ratio	Lower	Upper
83	100		
55	87.7	72.0	108.0
98	43.5	35.0	52.4





#21

2,2-Dichloropropane

Concen: 8.479 ug/l

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Tot Ion: 77 Resp: 224845

Ion Ratio Lower Upper

77 100

97 22.9 17.6 26.4

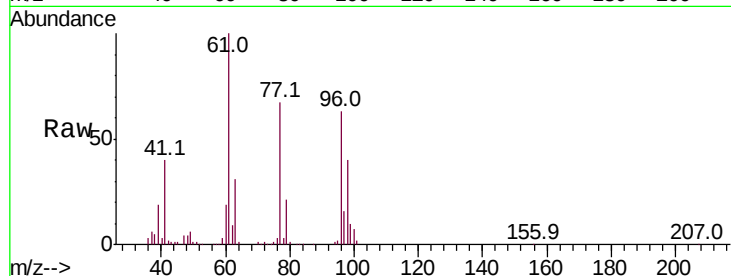
Instrument :

MSVOA_U

ClientSampleId :

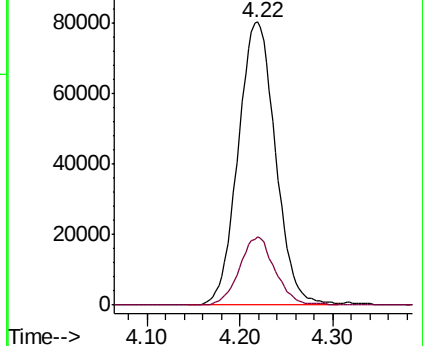
VSTDCCC010EC

Manual Integrations
APPROVED



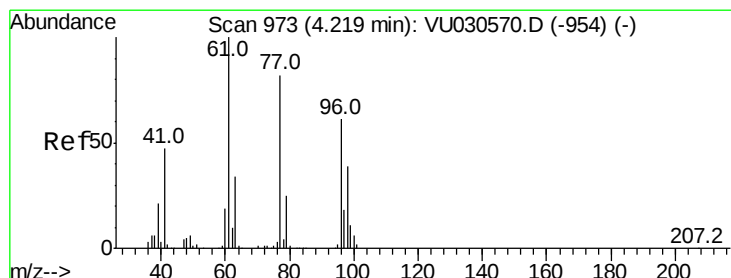
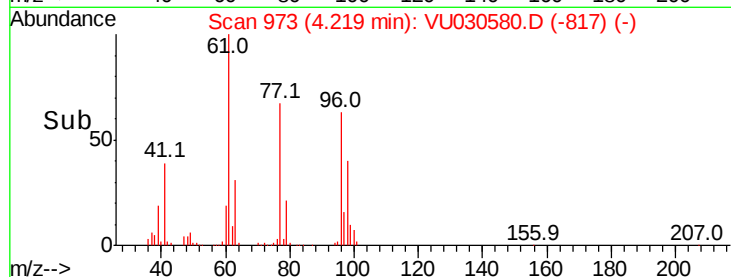
Abundance Ion 77.00 (76.70 to 77.70): VU030570.D (-950) (-)

Ion 97.00 (96.70 to 97.70): VU030580.D (-817) (-)



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#22

cis-1,2-Dichloroethene

Concen: 10.177 ug/l

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

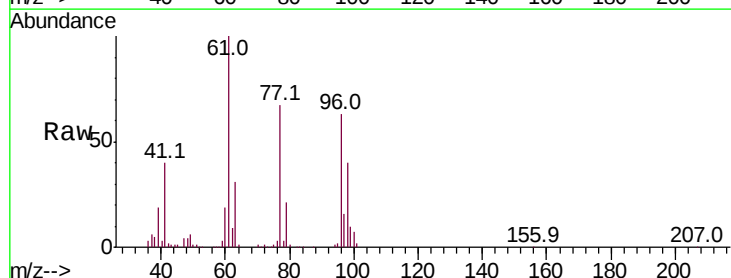
Tgt Ion: 96 Resp: 185706

Ion Ratio Lower Upper

96 100

61 162.4 0.0 427.0

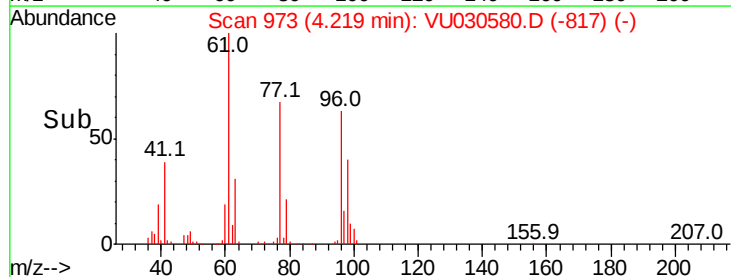
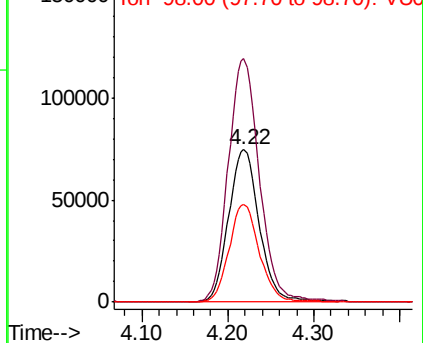
98 62.5 32.5 97.4

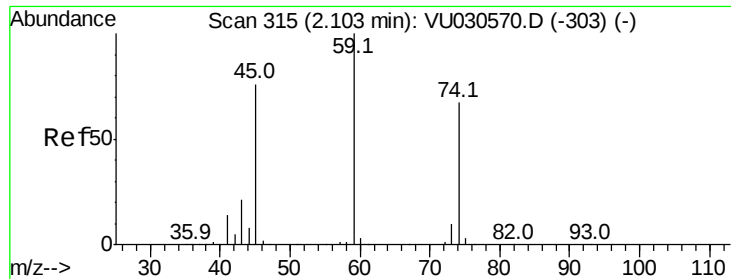


Abundance Ion 96.00 (95.70 to 96.70): VU030570.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU030580.D (-817) (-)

Ion 98.00 (97.70 to 98.70): VU030580.D (-817) (-)



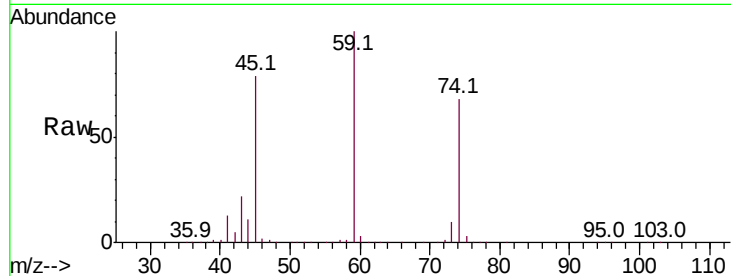


#23
Diethyl Ether
Concen: 10.119 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

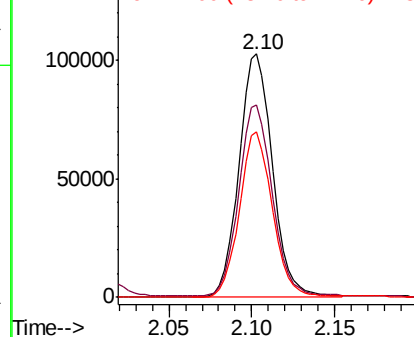
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
59	100		
45	78.0	61.6	92.4
74	67.9	53.2	79.8

Manual Integrations
APPROVED

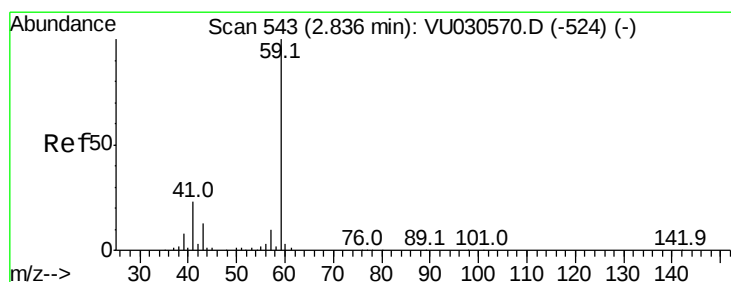
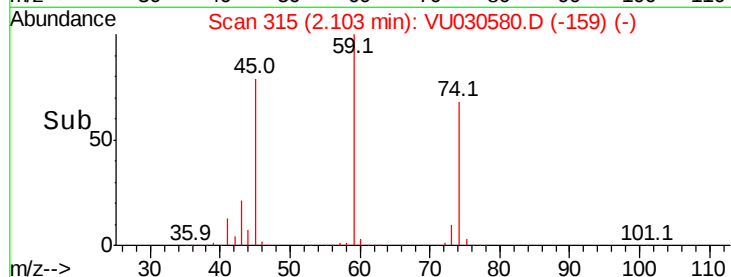


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0



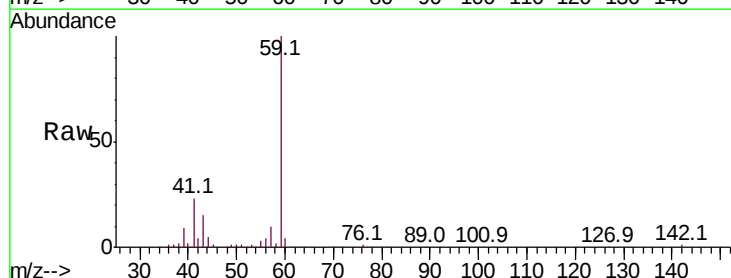
MMDadoda

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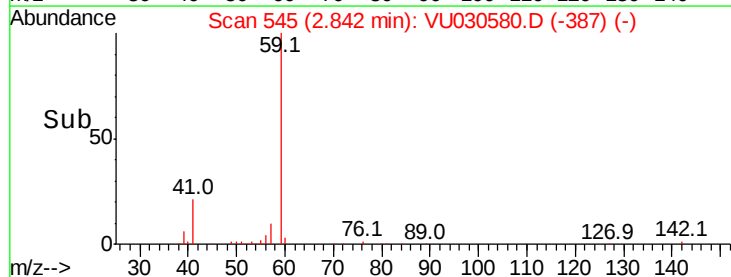
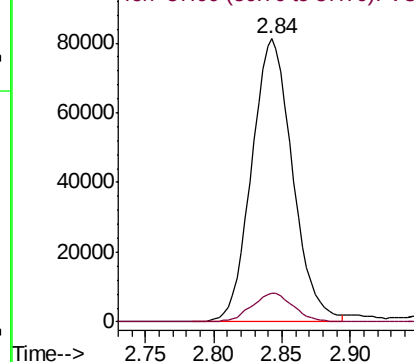


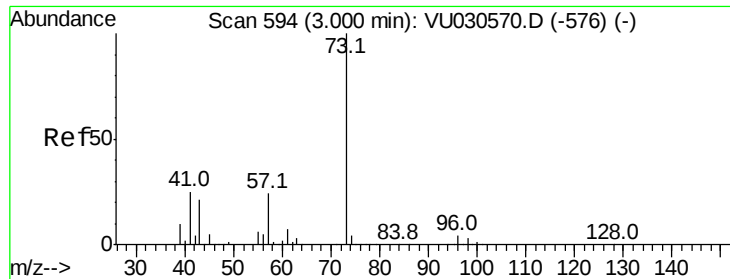
#24
tert-Butyl Alcohol
Concen: 114.190 ug/l
RT: 2.84 min Scan# 545
Delta R.T. 0.01 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.4	12.6



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0



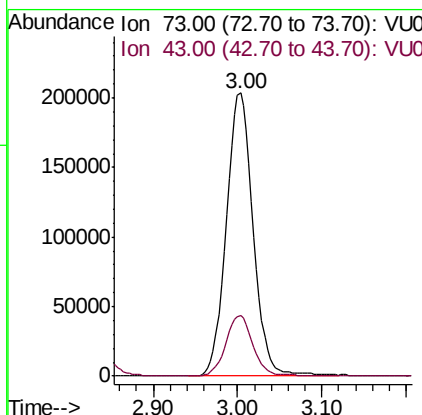
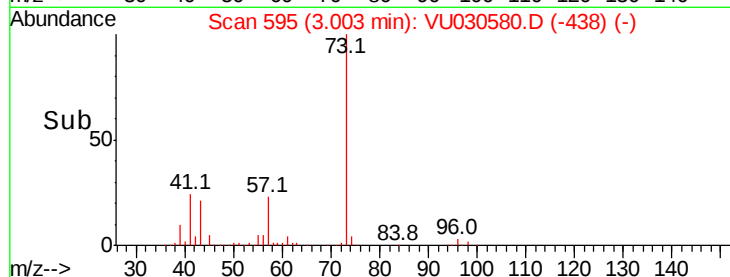
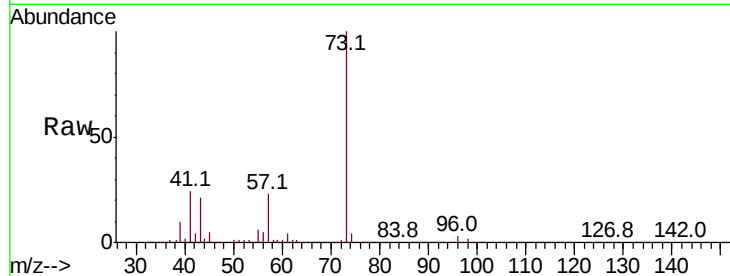


#25
Methyl tert-Butyl Ether
Concen: 10.316 ug/l
RT: 3.00 min Scan# 595
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

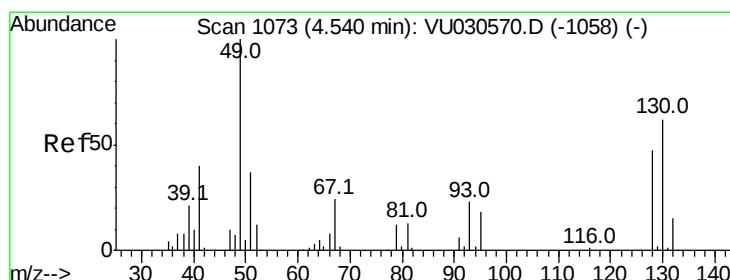
Tot Ion	Ratio	Lower	Upper
73	100		
43	21.0	16.6	24.8

Manual Integrations
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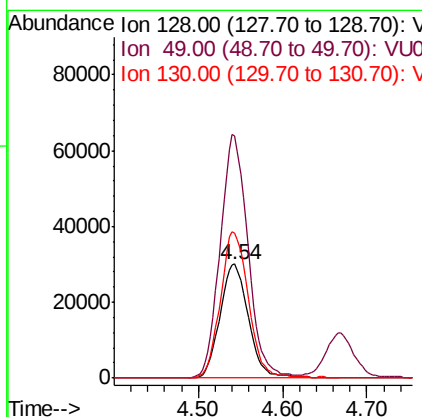
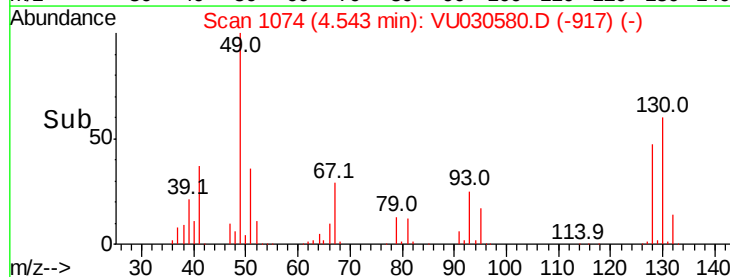
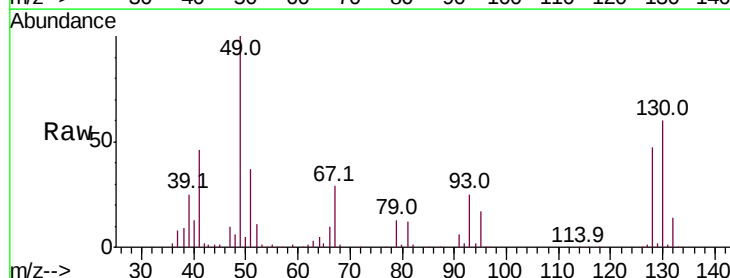
MMDadoda

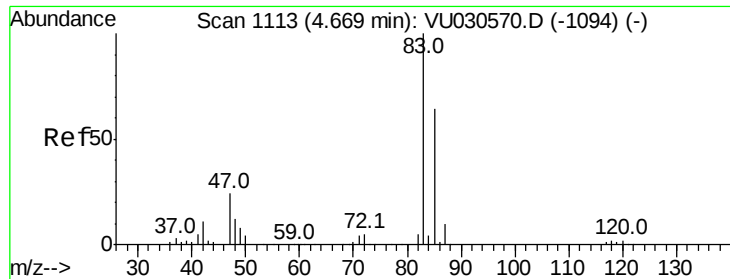
4/5/2019 2:39:09 PM



#26
Bromochloromethane
Concen: 9.903 ug/l
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion	Ratio	Lower	Upper
128	100		
49	208.6	0.0	418.2
130	126.1	103.4	155.0



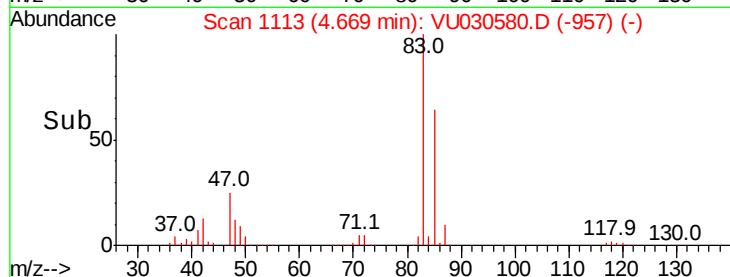
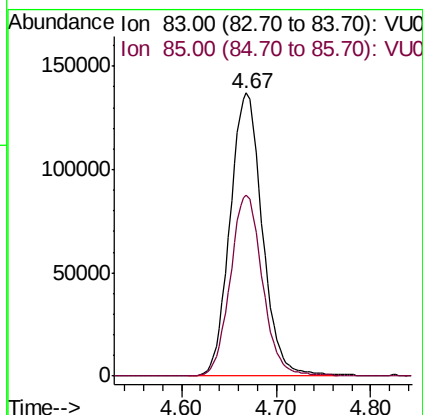
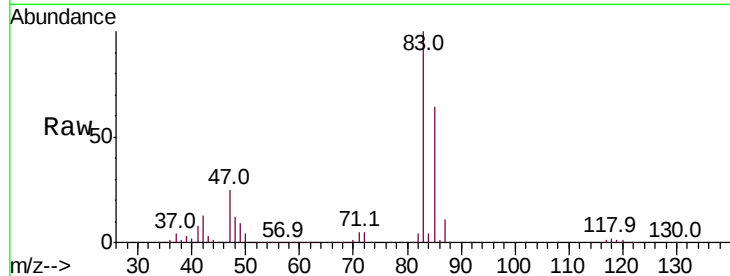


#27
Chloroform
Concen: 10.093 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

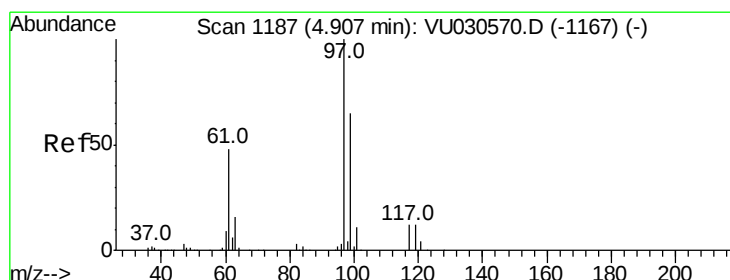
Tot Ion	83	Resp	325333
Ion Ratio	100	Lower	Upper
85	64.2	0.0	128.4

Manual Integrations
APPROVED



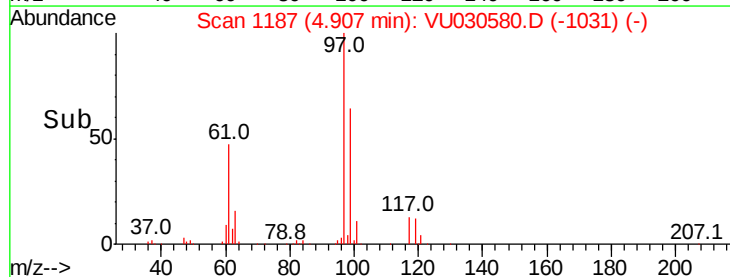
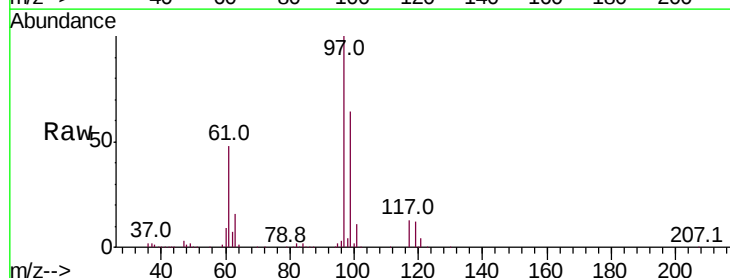
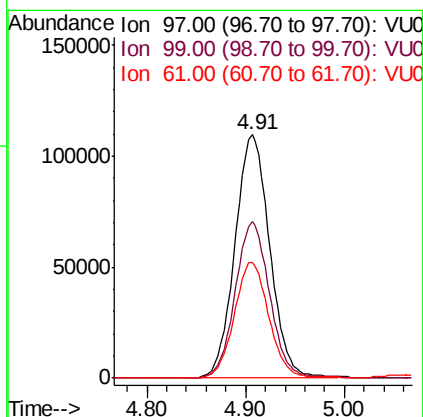
MMDadoda

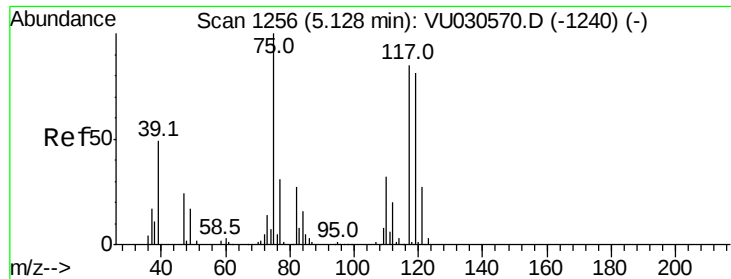
4/5/2019 2:39:09 PM



#28
1,1,1-Trichloroethane
Concen: 10.096 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion	97	Resp	268631
Ion Ratio	100	Lower	Upper
99	63.2	32.0	96.0
61	47.2	24.0	72.0



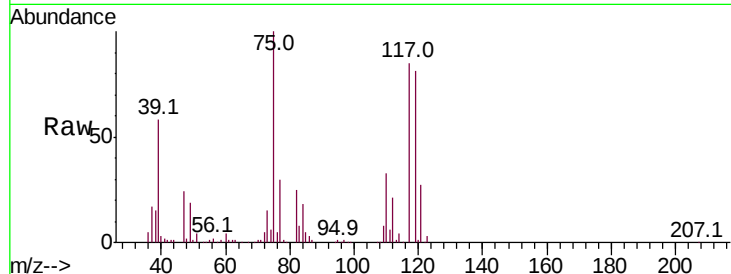


#29
 1,1-Dichloropropene
 Concen: 9.993 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.3	16.0	48.0
77	30.5	24.8	37.2

Manual Integrations
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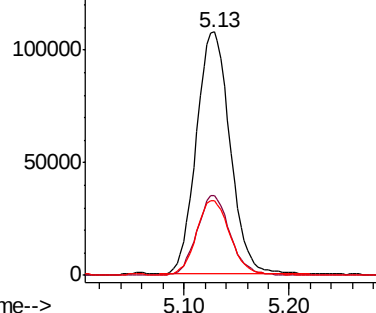


Abundance

Ion 75.00 (74.70 to 75.70): VU030570.D (-1240) (-)

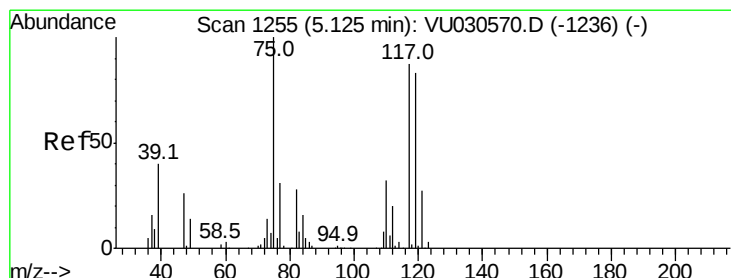
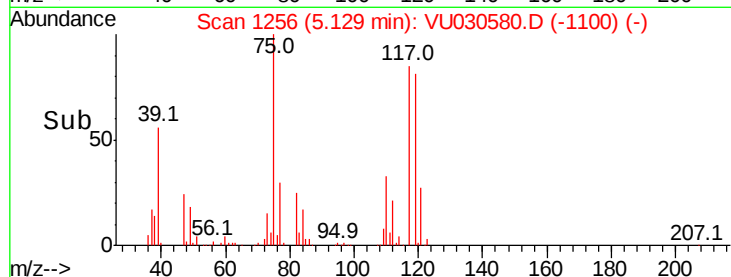
Ion 110.00 (109.70 to 110.70): VU030570.D (-1240) (-)

Ion 77.00 (76.70 to 77.70): VU030570.D (-1240) (-)



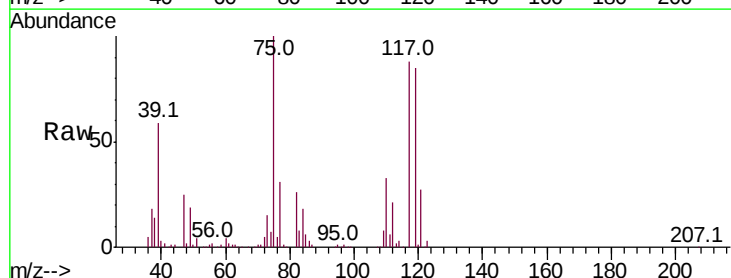
MMDadoda

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#30
 Carbon Tetrachloride
 Concen: 10.243 ug/l
 RT: 5.13 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.4	114.6
121	31.1	24.7	37.1

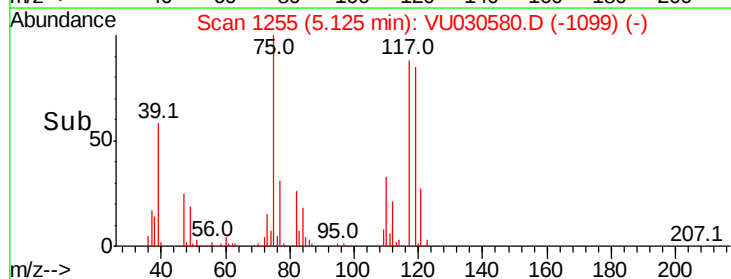
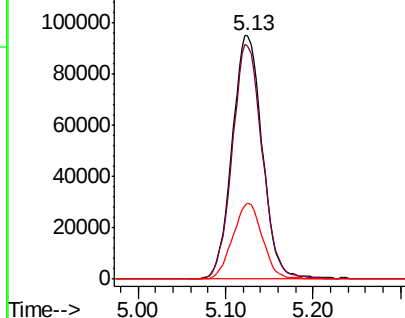


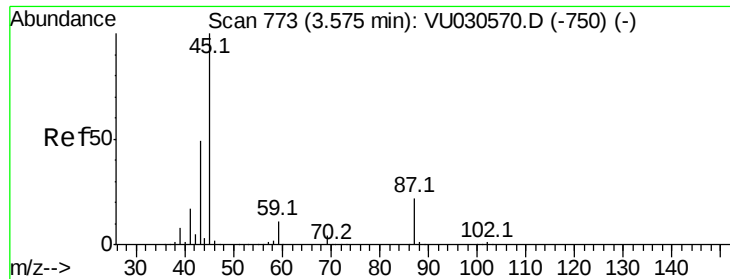
Abundance

Ion 117.00 (116.70 to 117.70): VU030570.D (-1236) (-)

Ion 119.00 (118.70 to 119.70): VU030570.D (-1236) (-)

Ion 121.00 (120.70 to 121.70): VU030570.D (-1236) (-)





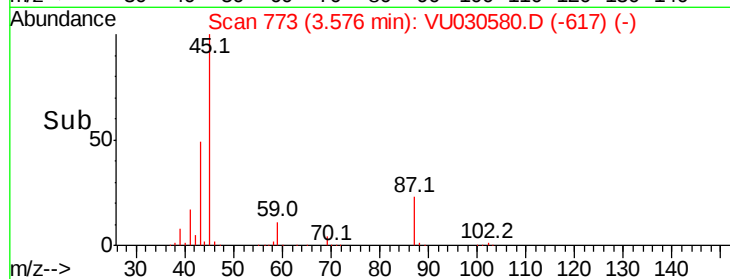
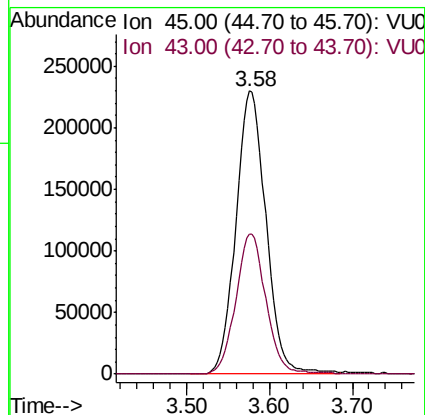
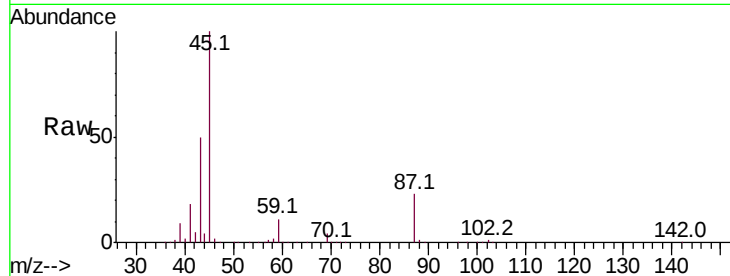
#31

Isopropyl Ether
 Concen: 10.123 ug/l
 RT: 3.58 min Scan# 773
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

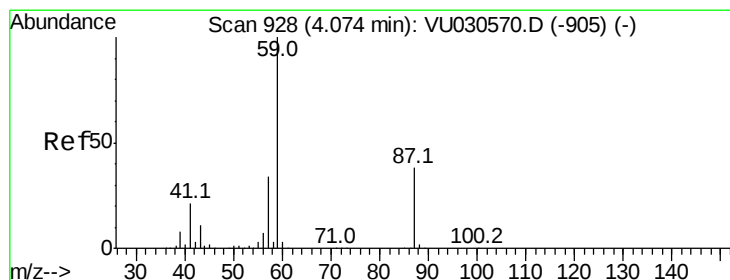
Tot Ion	45	Resp	581712
Ion Ratio	100	Lower	Upper
43	49.2	25.0	75.0

Manual Integrations
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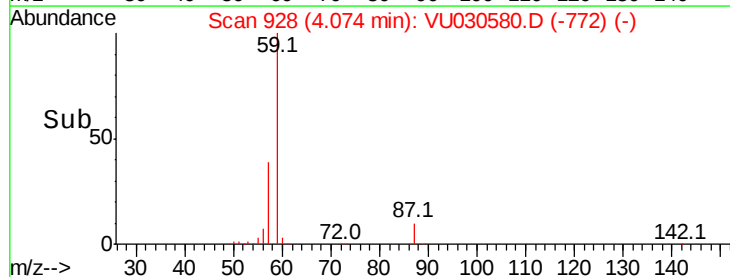
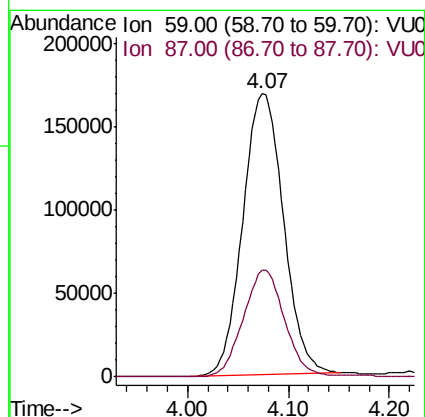
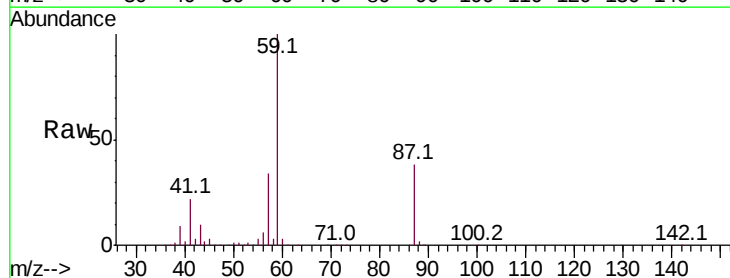
4/5/2019 2:39:09 PM

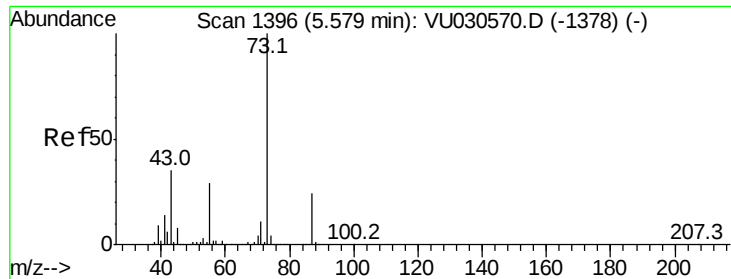


#32

Ethyl-t-butyl ether
 Concen: 10.302 ug/l
 RT: 4.07 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Tgt Ion	59	Resp	471497
Ion Ratio	100	Lower	Upper
87	37.6	30.1	45.1





#33

Tert-Amvl methvl ether

Concen: 11.077 ug/l

RT: 5.58 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VU030580.D

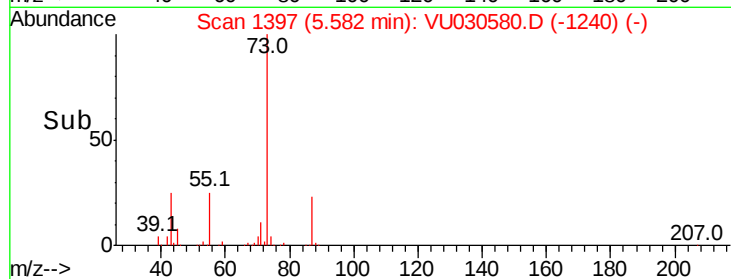
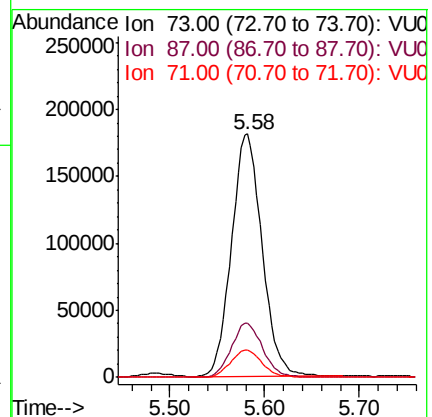
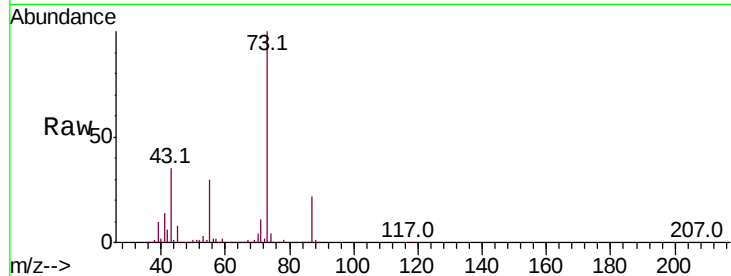
Acq: 30 Mar 2019 19:44

Instrument :
MSVOA_U

ClientSampleId :
VSTDCCC010EC

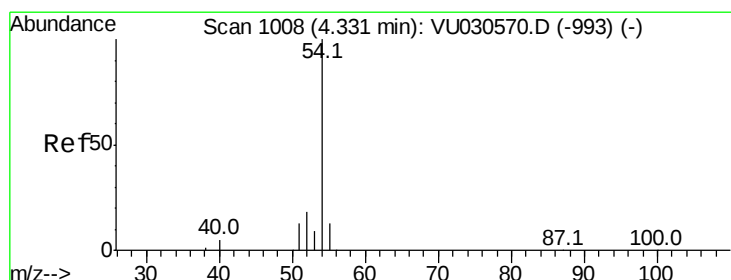
Tot Ion	Ratio	Lower	Upper
73	100		
87	22.7	18.6	27.8
71	11.4	9.0	13.4

Manual Integrations
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#34

Propionitrile

Concen: 56.425 ug/l

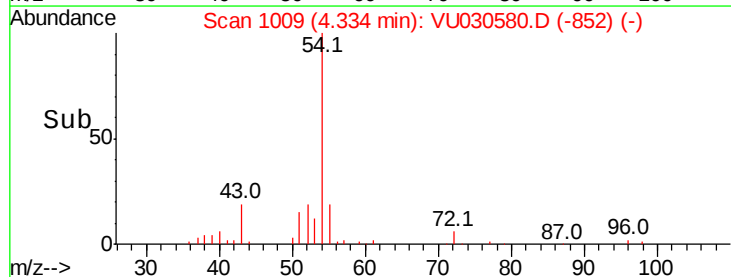
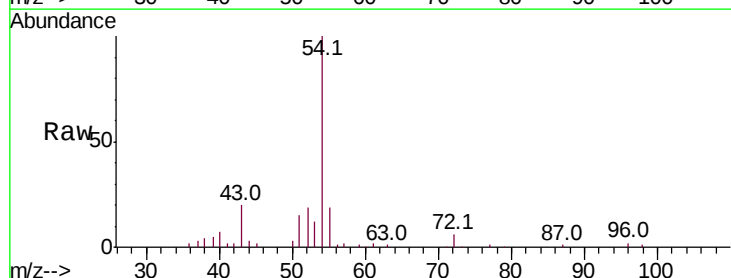
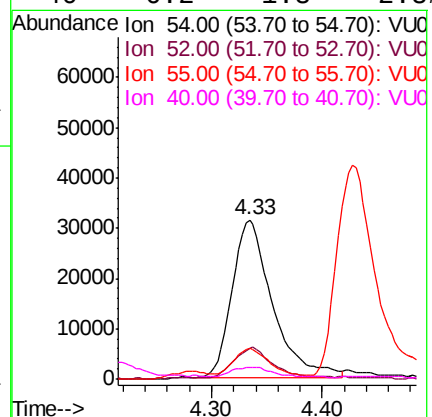
RT: 4.33 min Scan# 1009

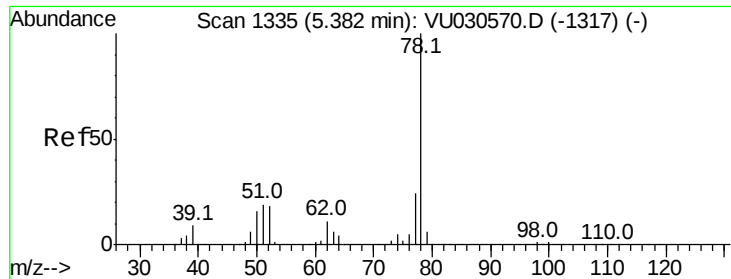
Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Tgt Ion	Ratio	Lower	Upper
54	100		
52	17.9	14.1	21.1
55	14.7	10.4	15.6
40	6.2	1.8	2.8





#35

Benzene

Concen: 10.091 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

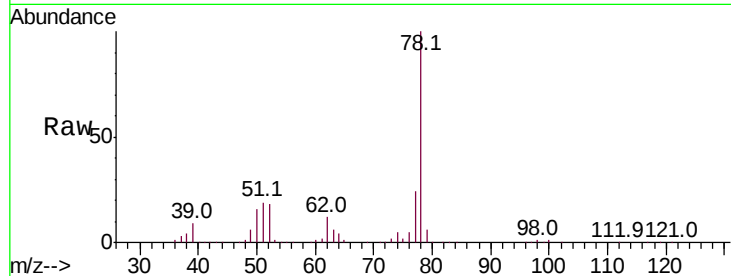
Tot Ion: 78 Resp: 712202

Ion Ratio Lower Upper

78 100

77 23.8 19.5 29.3

Manual Integrations
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Abundance Ion 78.10 (77.80 to 78.80): VU030570.D (-1317) (-)

Ion 77.00 (76.70 to 77.70): VU030570.D (-1317) (-)

5.38

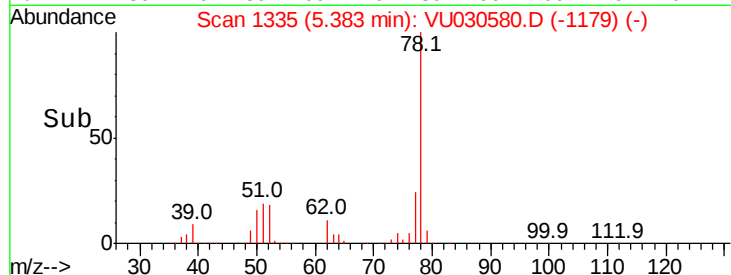
300000

200000

100000

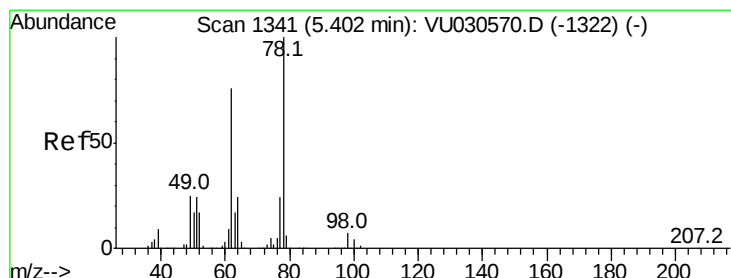
0

Time-->



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#36

1,2-Dichloroethane

Concen: 10.125 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU030580.D

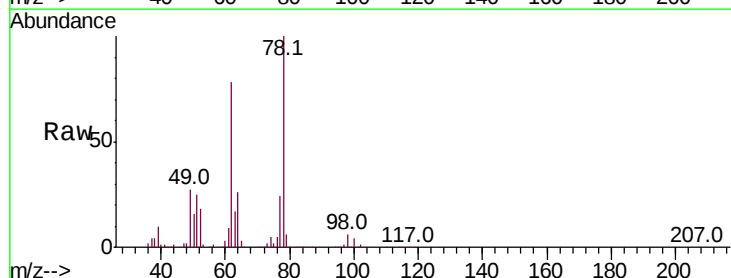
Acq: 30 Mar 2019 19:44

Tgt Ion: 62 Resp: 218275

Ion Ratio Lower Upper

62 100

98 7.9 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VU030570.D (-1322) (-)

Ion 98.00 (97.70 to 98.70): VU030570.D (-1322) (-)

5.40

100000

80000

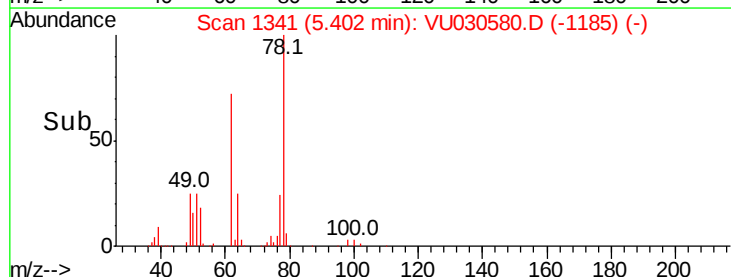
60000

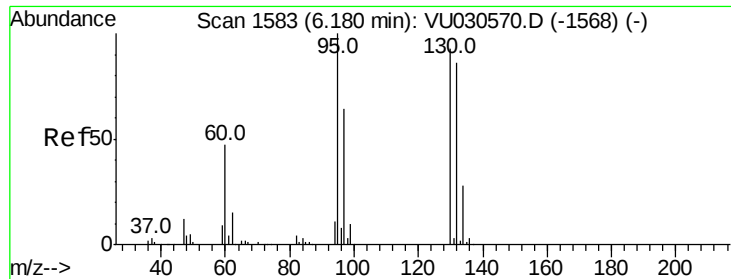
40000

20000

0

Time-->



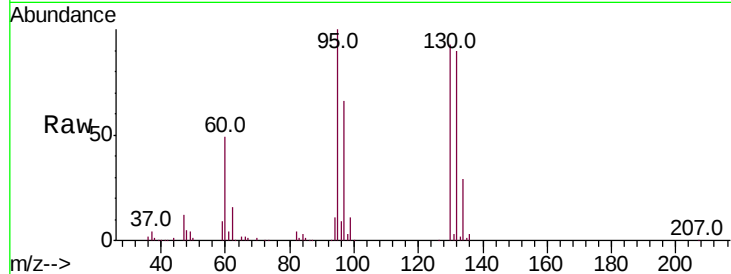


#37
 Trichloroethene
 Concen: 9.770 ug/l
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

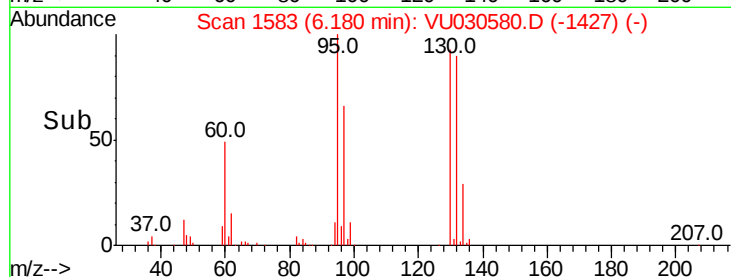
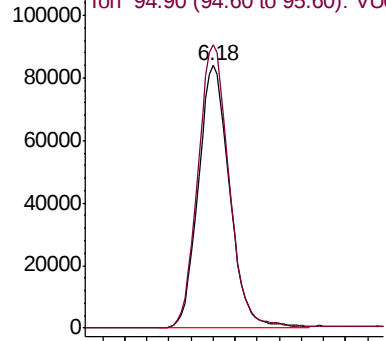
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:130 Resp: 165417
 Ion Ratio Lower Upper
 130 100
 95 107.8 85.8 128.8

Manual Integrations
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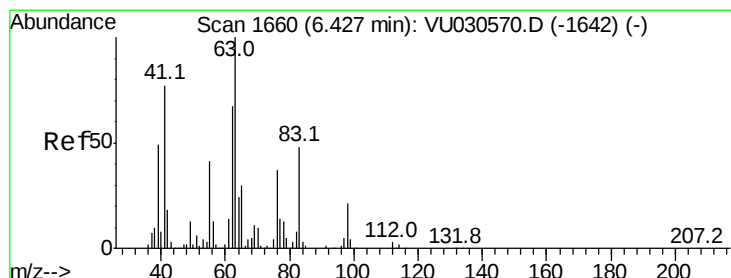
Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VU0



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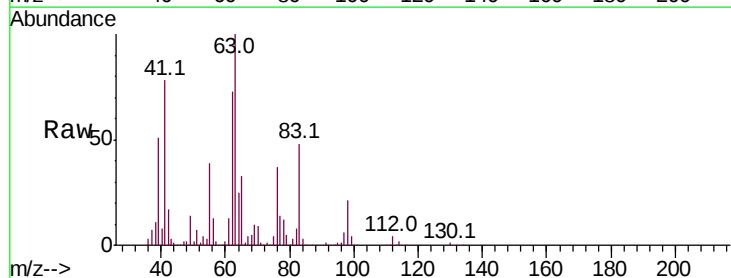
4/5/2019 2:39:09 PM

Time-->

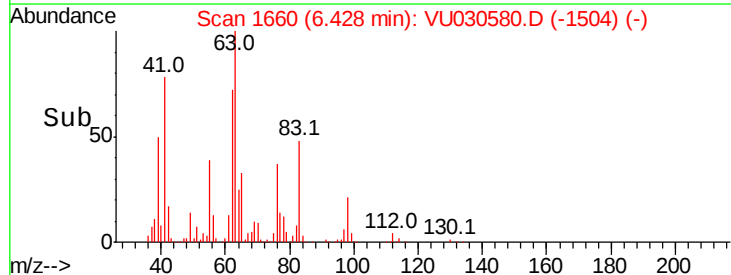
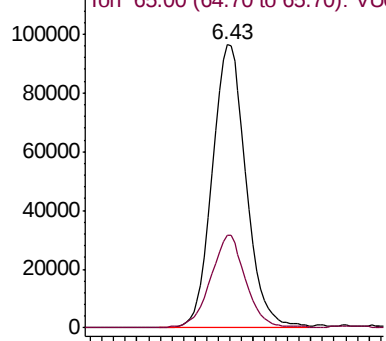


#38
 1,2-Dichloropropane
 Concen: 10.028 ug/l
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

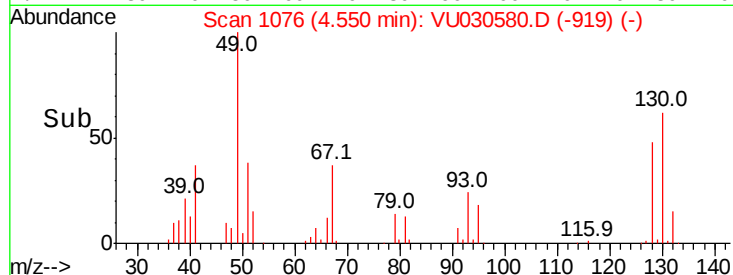
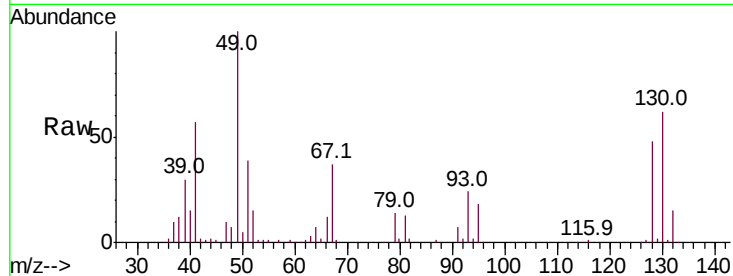
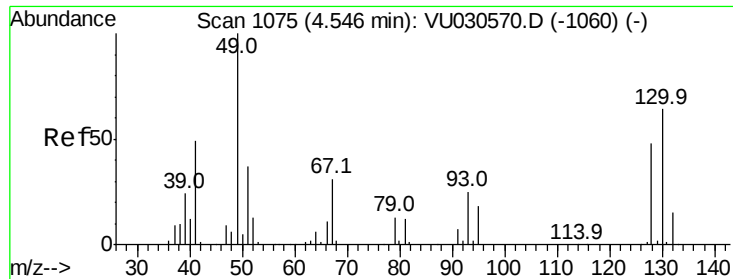
Tgt Ion: 63 Resp: 196038
 Ion Ratio Lower Upper
 63 100
 65 32.7 23.9 35.9



Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0

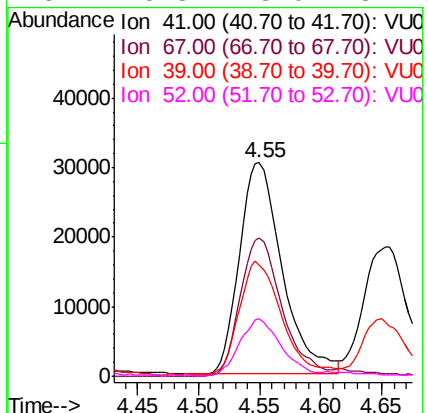


Time-->



#39
Methacrylonitrile
Concen: 11.661 ug/l
RT: 4.55 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tot Ion	41	Resp	74004
Ion	Ratio	Lower	Upper
41	100		
67	63.4	50.2	75.4
39	53.3	40.7	61.1
52	26.3	23.0	34.4

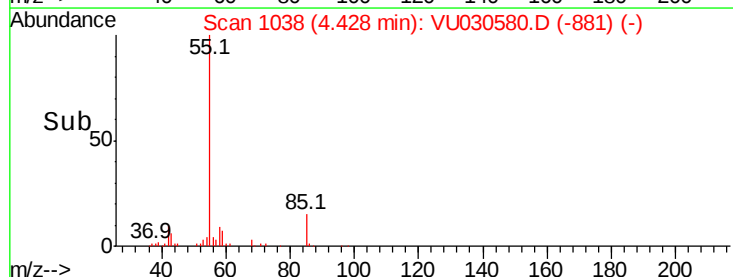
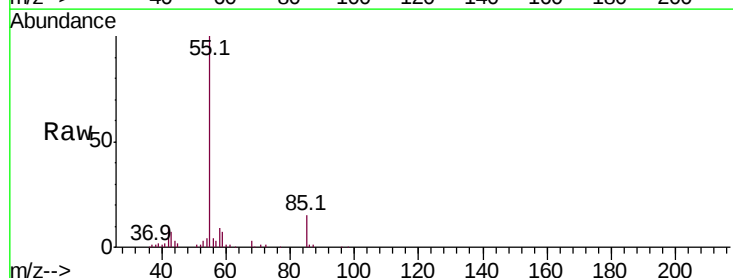
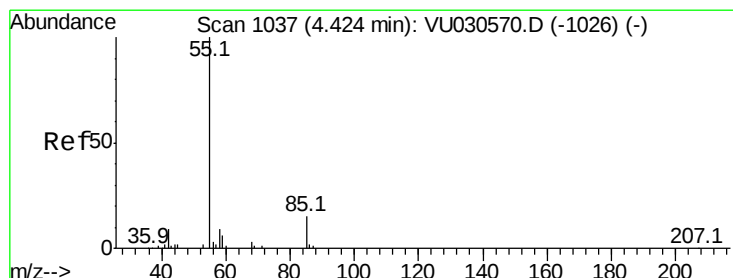


Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Manual Integrations
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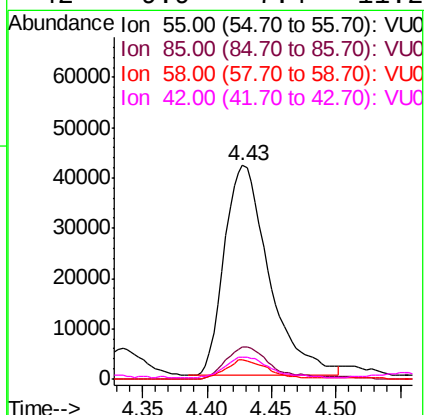
MMDadoda

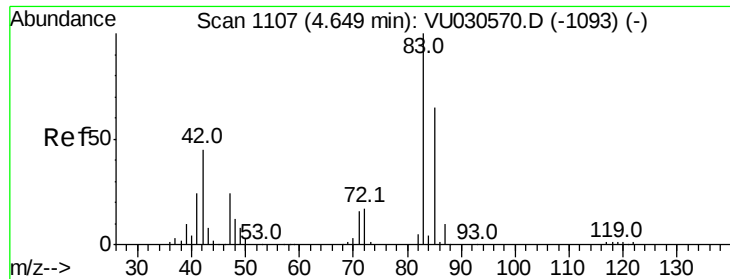
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#40
Methyl acrylate
Concen: 11.672 ug/l
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion	55	Resp	101291
Ion	Ratio	Lower	Upper
55	100		
85	15.0	12.5	18.7
58	8.9	6.3	9.5
42	9.9	7.4	11.2



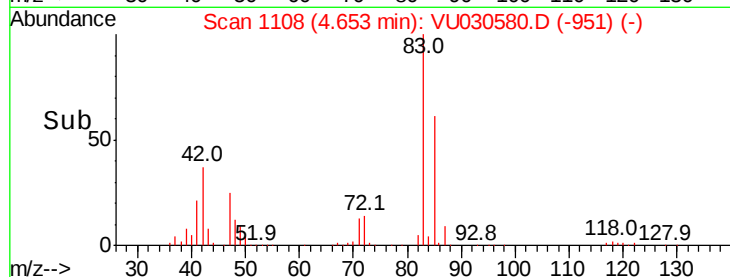
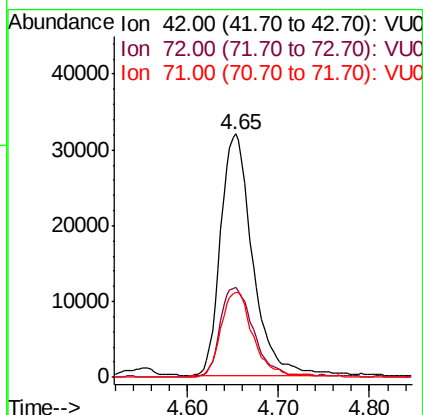
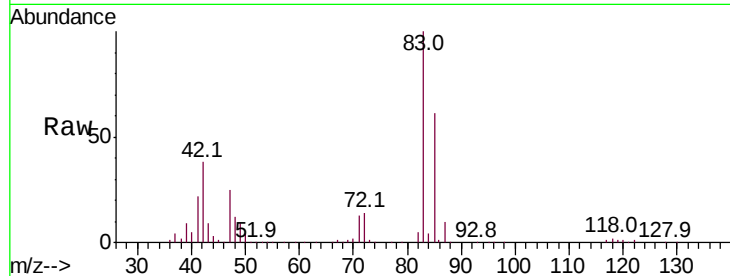


#41
Tetrahydrofuran
Concen: 21.714 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

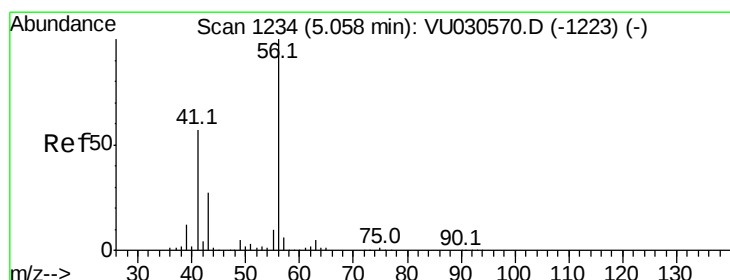
Tot Ion	Ratio	Lower	Upper
42	100		
72	38.3	33.4	50.0
71	35.2	28.8	43.2

Manual Integrations
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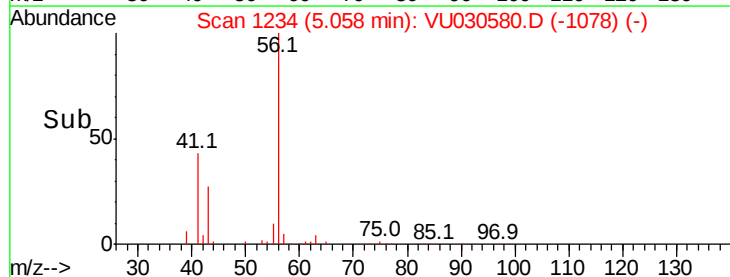
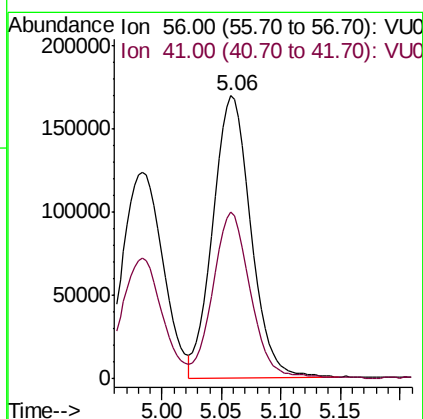
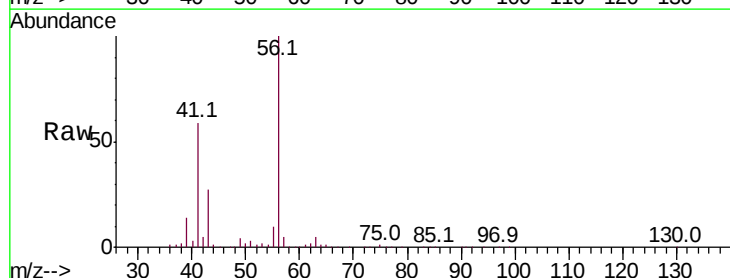
MMDadoda

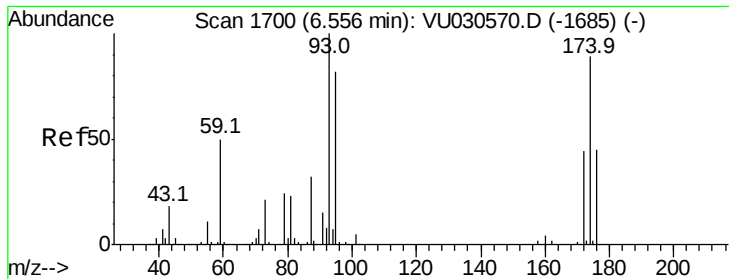
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#42
1-Chlorobutane
Concen: 10.434 ug/l
RT: 5.06 min Scan# 1234
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion	Ratio	Lower	Upper
56	100		
41	58.2	28.5	85.6





#43

Dibromomethane

Concen: 10.430 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :

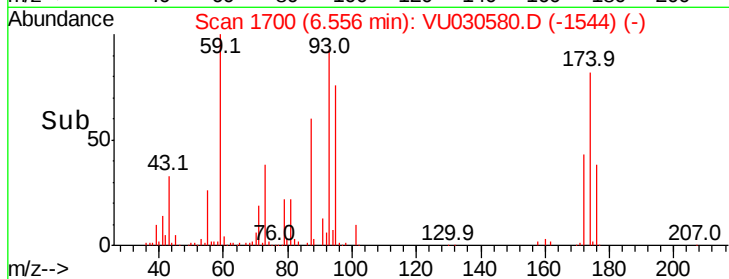
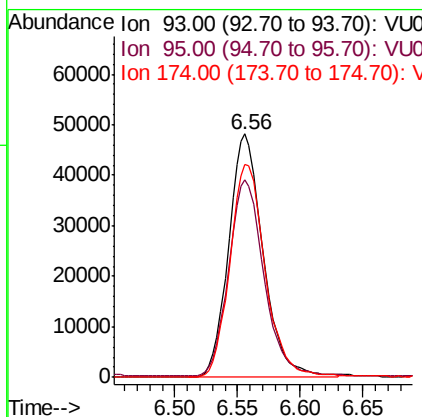
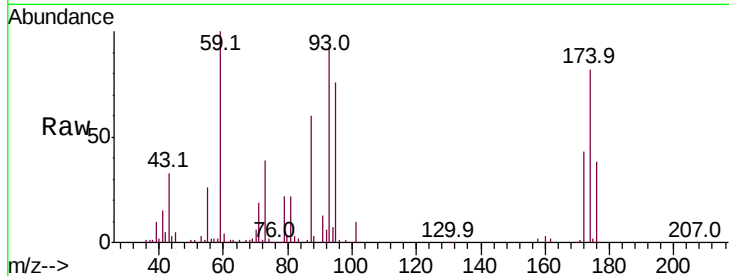
MSVOA_U

ClientSampleId :

VSTDCCC010EC

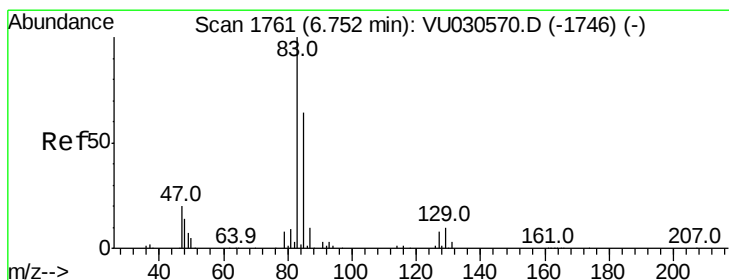
Tot Ion:	93	Resp:	92444
Ion	Ratio	Lower	Upper
93	100		
95	82.3	63.9	95.9
174	89.5	71.0	106.4

Manual Integrations
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#44

Bromodichloromethane

Concen: 10.188 ug/l

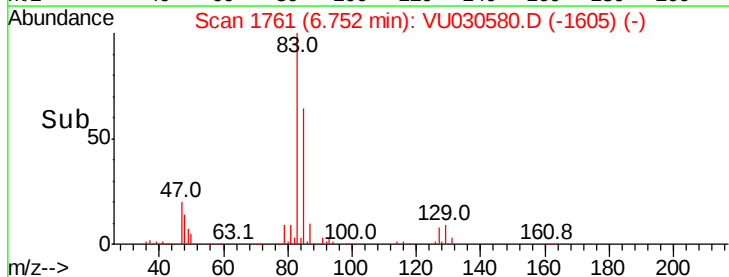
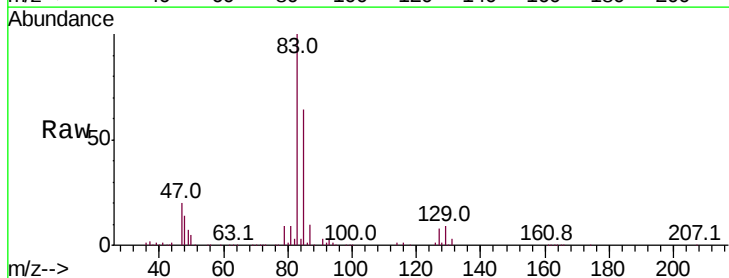
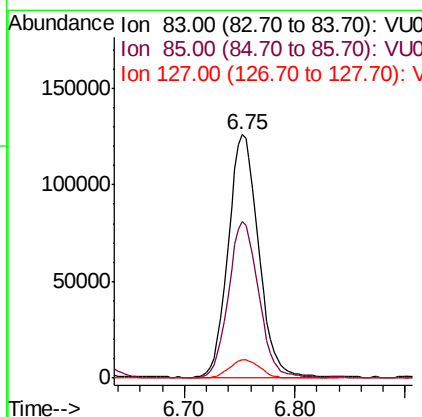
RT: 6.75 min Scan# 1761

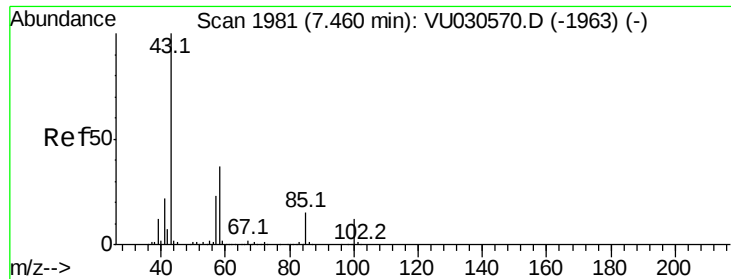
Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Tgt Ion:	83	Resp:	238977
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.1	76.7
127	7.7	6.1	9.1





#45

4-Methyl-2-Pentanone

Concen: 57.154 ug/l

RT: 7.46 min Scan# 1982

Delta R.T. 0.00 min

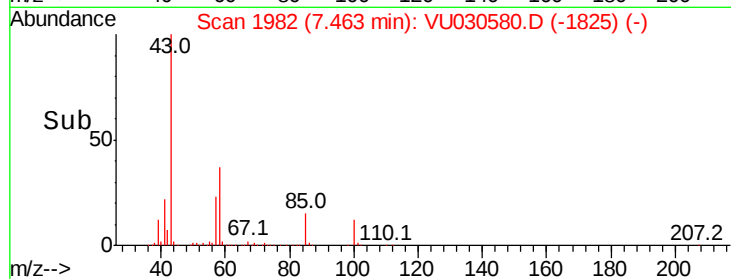
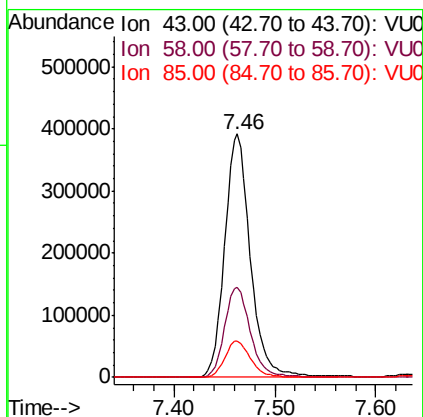
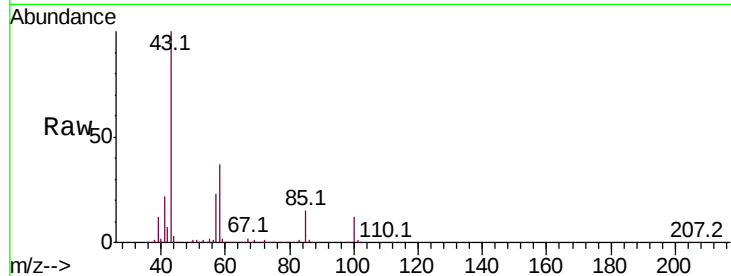
Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

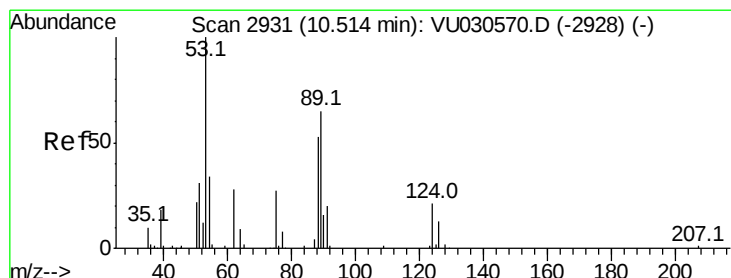
Tot Ion	Ratio	Lower	Upper
43	100		
58	37.4	18.6	55.8
85	15.1	11.8	17.6

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#46

t-1,4-Dichloro-2-butene

Concen: 23.331 ug/l m

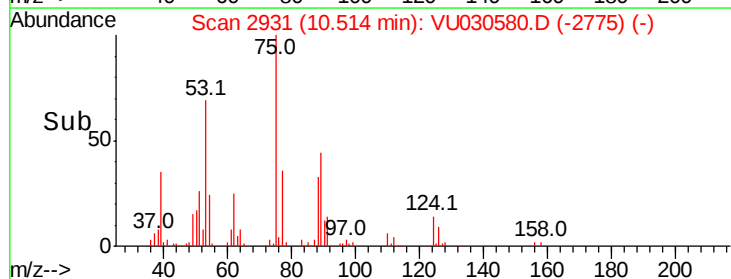
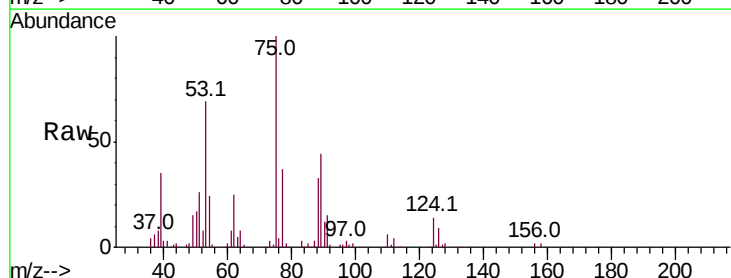
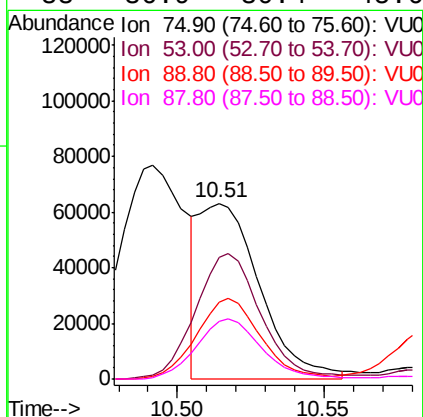
RT: 10.51 min Scan# 2931

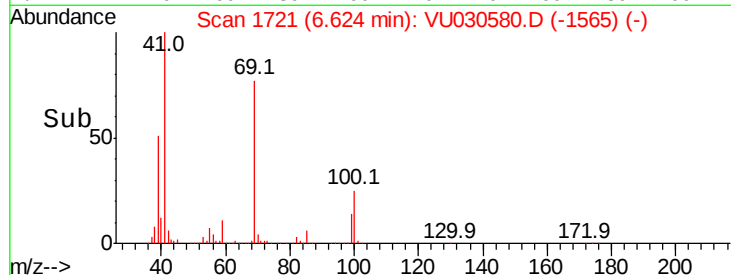
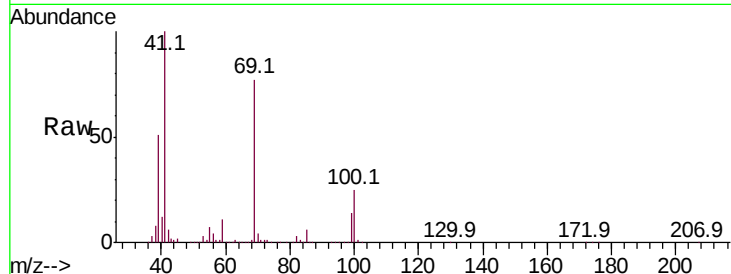
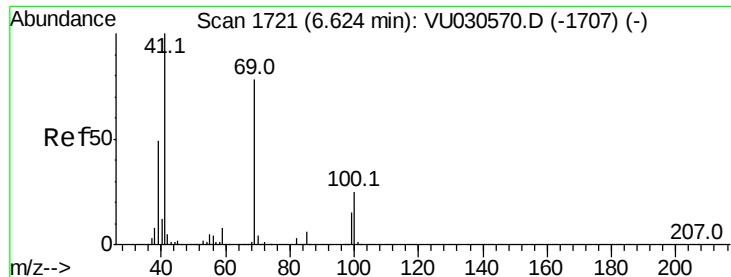
Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

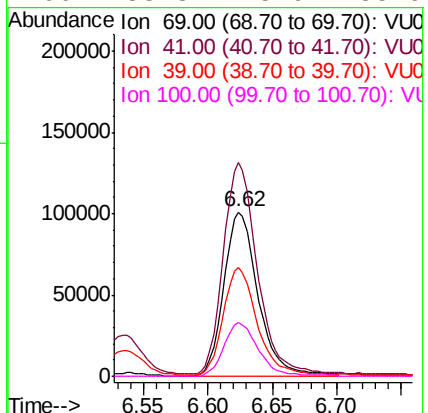
Tgt Ion	Ratio	Lower	Upper
75	100		
53	77.4	63.4	95.2
89	48.5	39.1	58.7
88	36.9	30.4	45.6





#47
Methyl methacrylate
Concen: 24.530 ug/l
RT: 6.62 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	128.8	0.0	258.0	
39	65.1	51.0	76.4	
100	33.3	25.9	38.9	

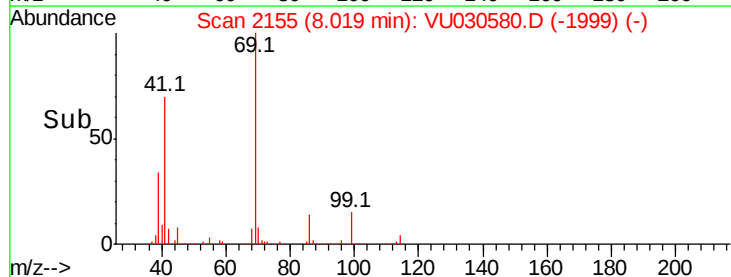
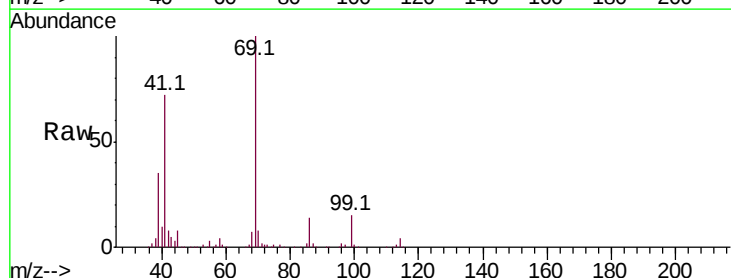
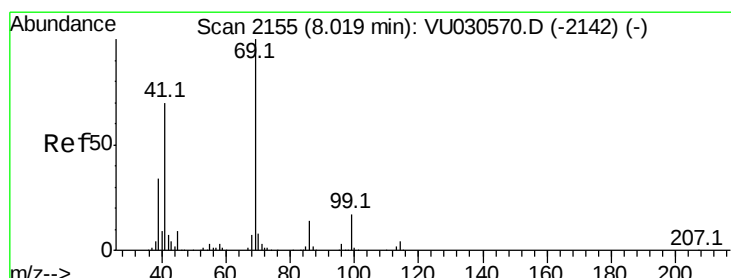


Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

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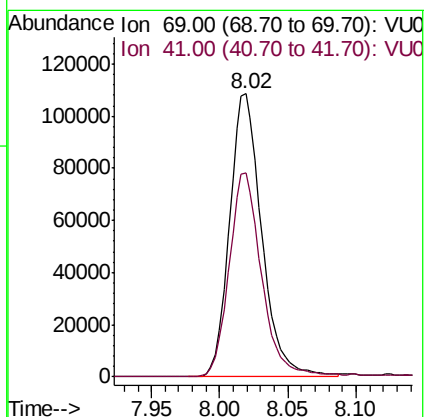
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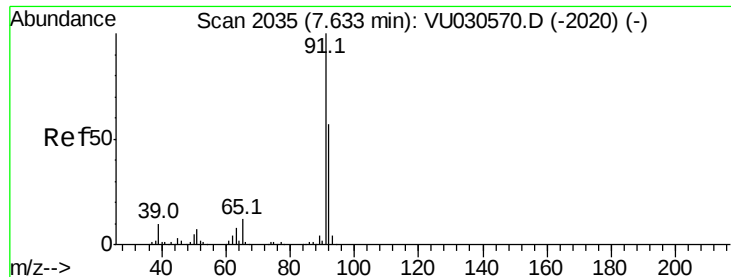
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#48
Ethyl methacrylate
Concen: 12.063 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	72.7	36.1	108.5	





#49

Toluene

Concen: 10.857 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

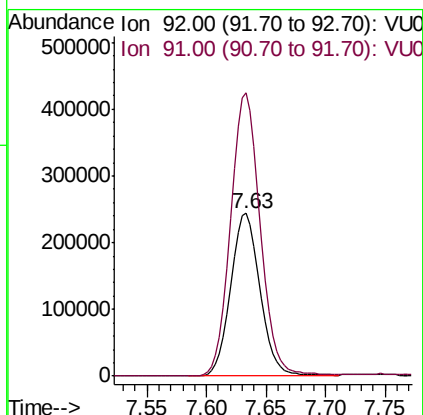
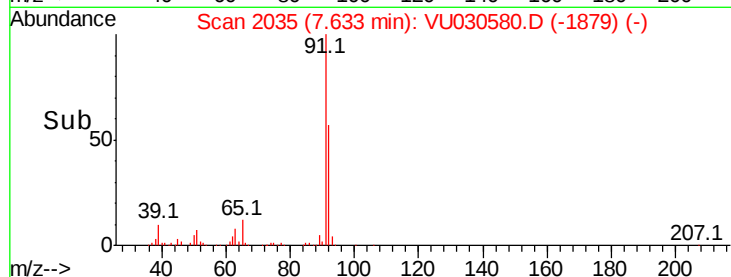
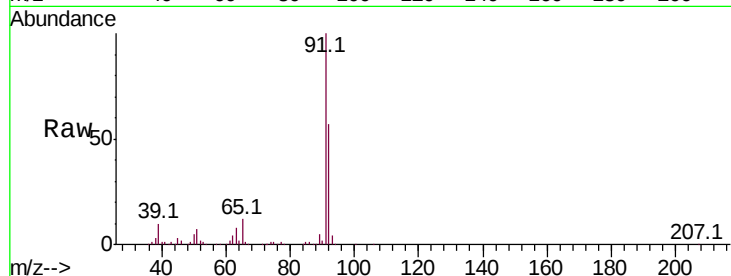
Tot Ion: 92 Resp: 419893

Ion Ratio Lower Upper

92 100

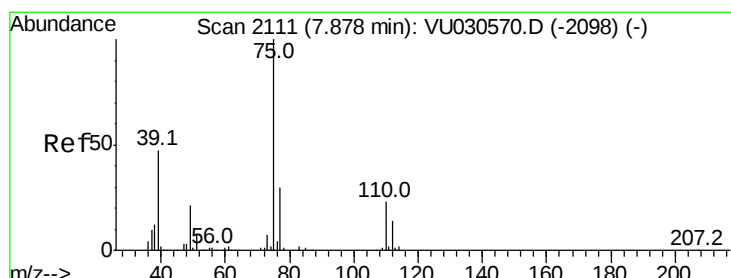
91 174.4 140.2 210.4

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#50

t-1,3-Dichloropropene

Concen: 10.874 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU030580.D

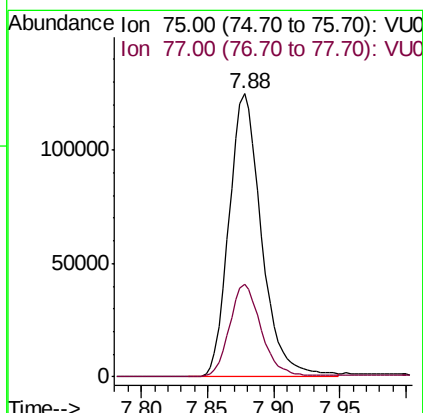
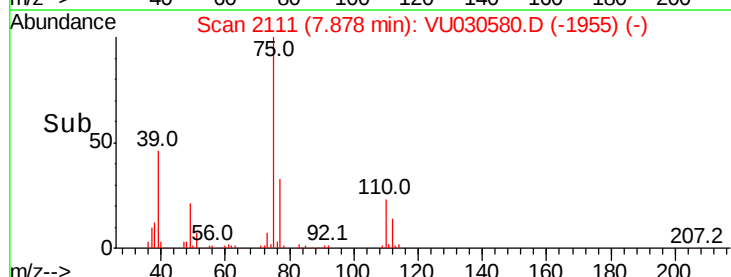
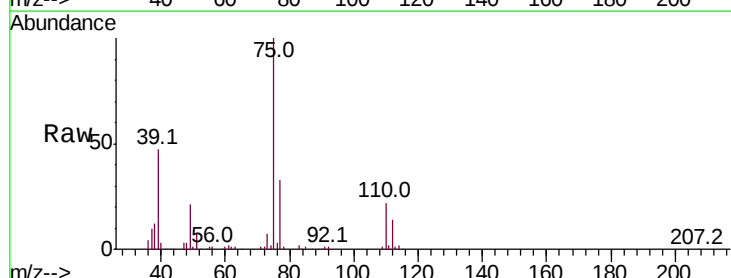
Acq: 30 Mar 2019 19:44

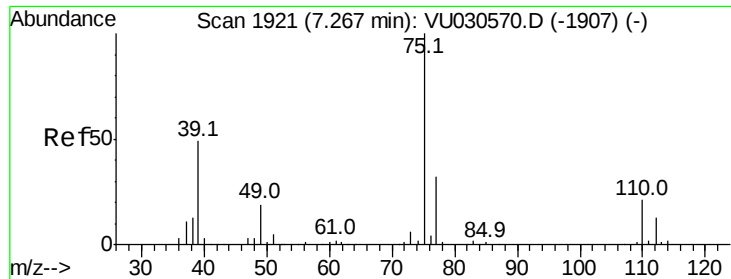
Tgt Ion: 75 Resp: 213745

Ion Ratio Lower Upper

75 100

77 32.6 24.4 36.6



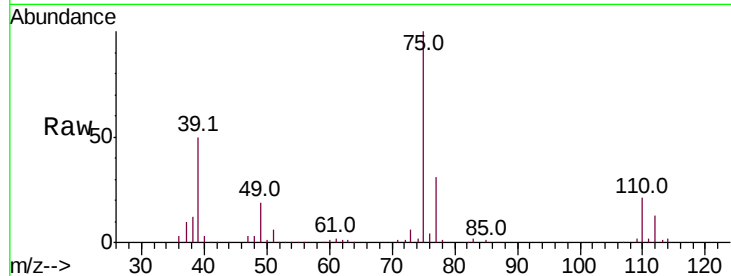


#51
 cis-1,3-Dichloropropene
 Concen: 10.529 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
77	31.1	25.8	38.6	
39	49.9	39.3	58.9	

Manual Integrations
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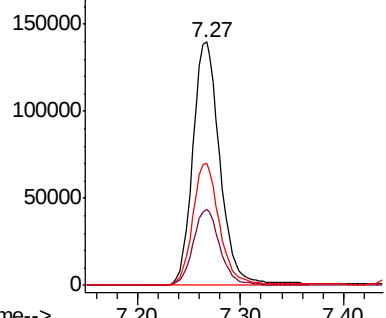


Abundance

Ion 75.00 (74.70 to 75.70): VU030570.D (-1907) (-)

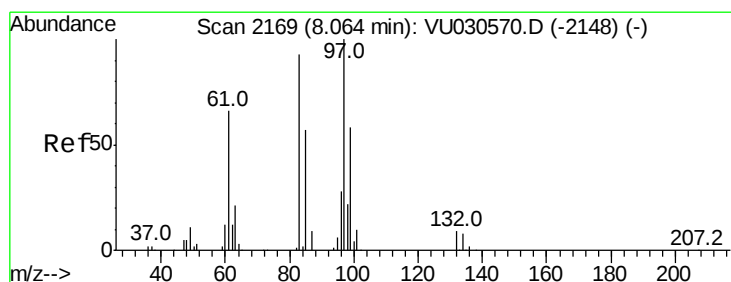
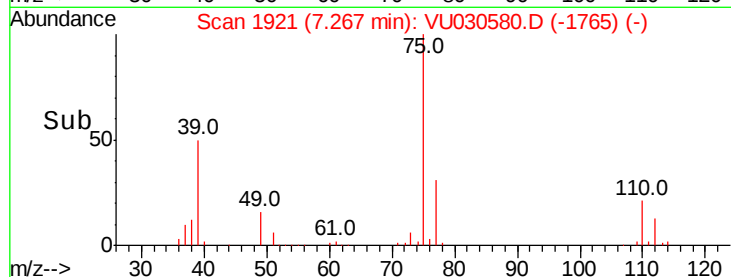
Ion 77.00 (76.70 to 77.70): VU030570.D (-1907) (-)

Ion 39.00 (38.70 to 39.70): VU030570.D (-1907) (-)



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#52
 1,1,2-Trichloroethane
 Concen: 10.506 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
83	90.1	74.3	111.5	
85	58.0	45.4	68.0	
99	61.5	46.6	70.0	

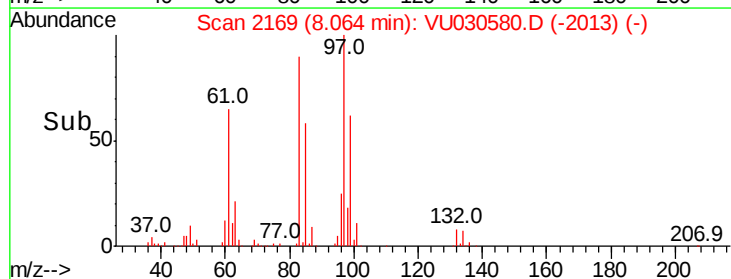
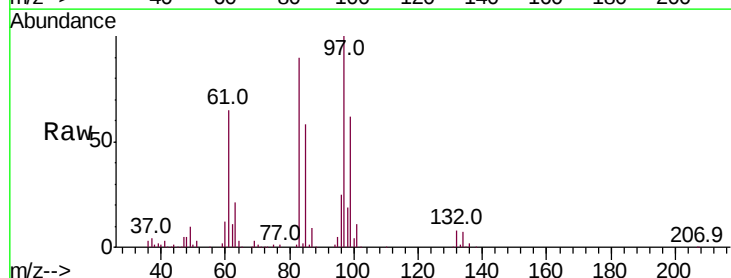
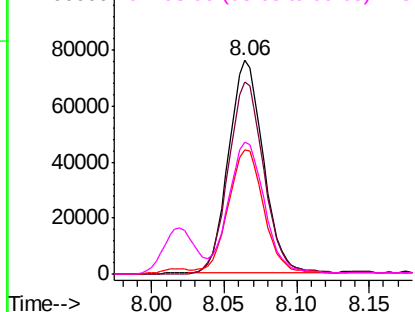
Abundance

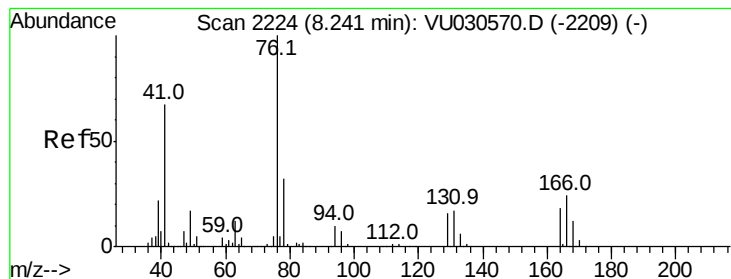
Ion 97.00 (96.70 to 97.70): VU030570.D (-2148) (-)

Ion 82.95 (82.65 to 83.65): VU030570.D (-2148) (-)

Ion 84.95 (84.65 to 85.65): VU030570.D (-2148) (-)

Ion 98.95 (98.65 to 99.65): VU030570.D (-2148) (-)





#53

1,3-Dichloropropane

Concen: 10.371 ug/l

RT: 8.24 min Scan# 2224

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

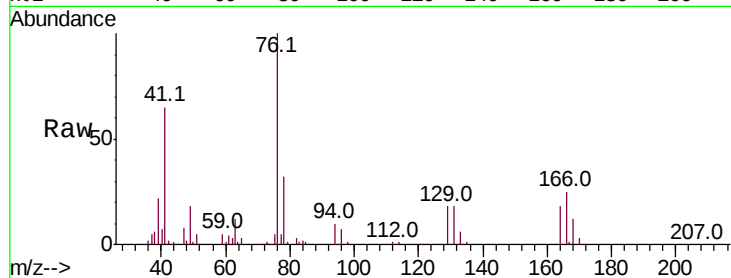
Tot Ion: 76 Resp: 229118

Ion Ratio Lower Upper

76 100

78 31.7 25.3 37.9

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Abundance Ion 76.00 (75.70 to 76.70): VU030570.D (-2209) (-)

Ion 78.00 (77.70 to 78.70): VU030570.D (-2209) (-)

8.24

150000

100000

50000

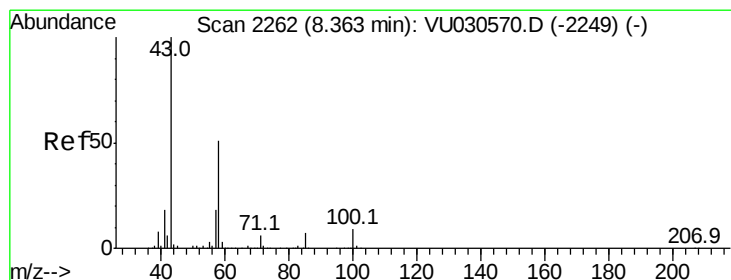
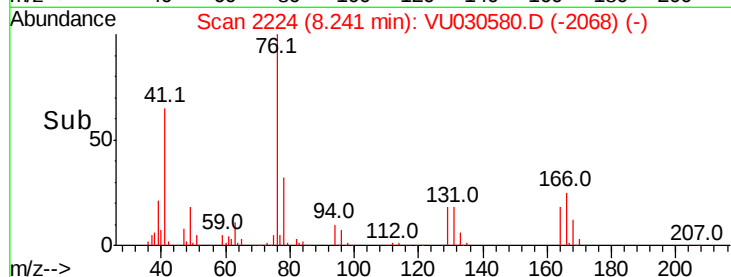
0

8.15 8.20 8.25 8.30

Time-->

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#54

2-Hexanone

Concen: 58.324 ug/l

RT: 8.36 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

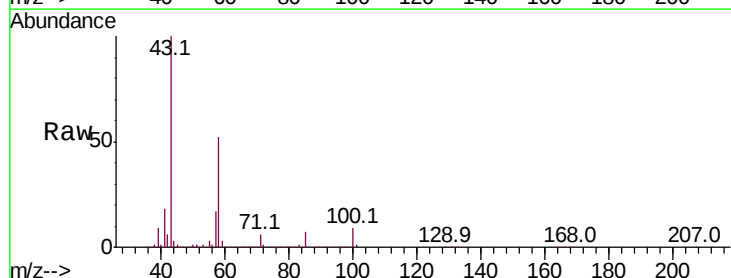
Tgt Ion: 43 Resp: 480091

Ion Ratio Lower Upper

43 100

58 52.1 32.5 72.5

57 17.6 0.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VU030570.D (-2249) (-)

Ion 58.00 (57.70 to 58.70): VU030570.D (-2249) (-)

Ion 57.00 (56.70 to 57.70): VU030570.D (-2249) (-)

8.36

400000

300000

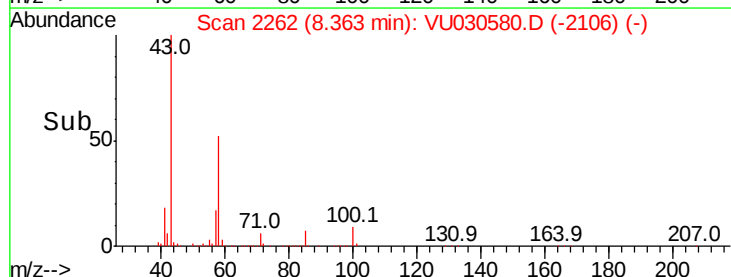
200000

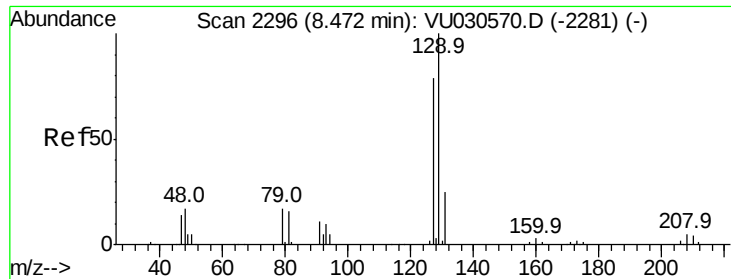
100000

0

8.30 8.40 8.50

Time-->



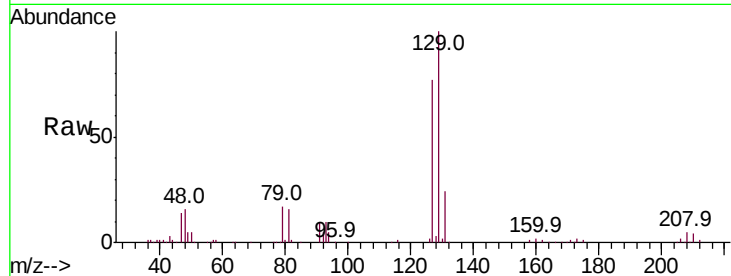


#55
Dibromochloromethane
Concen: 10.317 ug/l
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

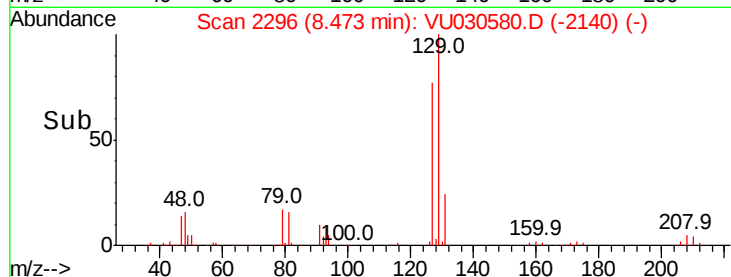
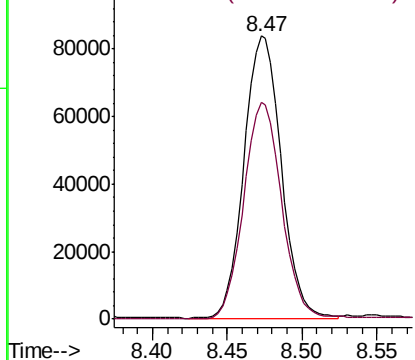
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.7	62.2	93.4

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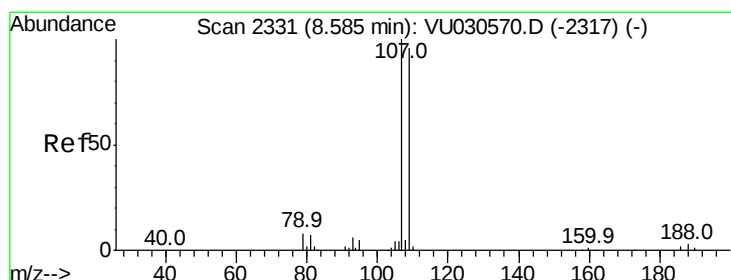


Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



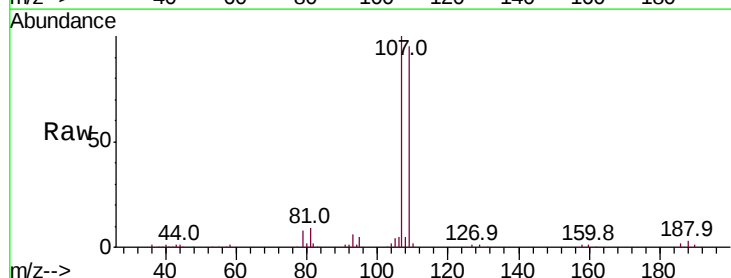
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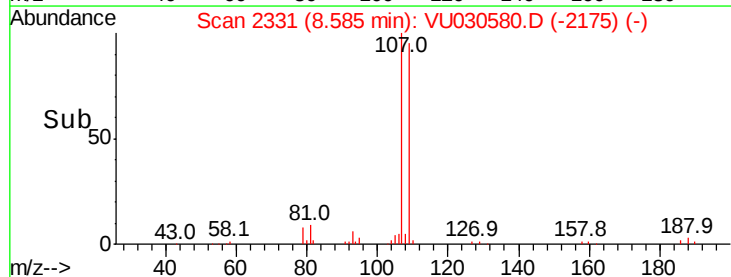
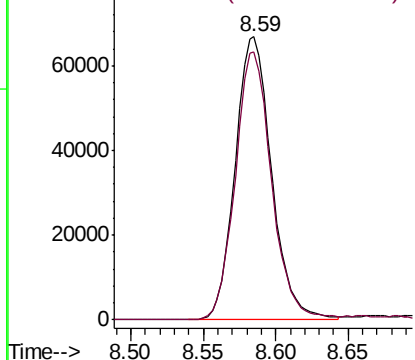


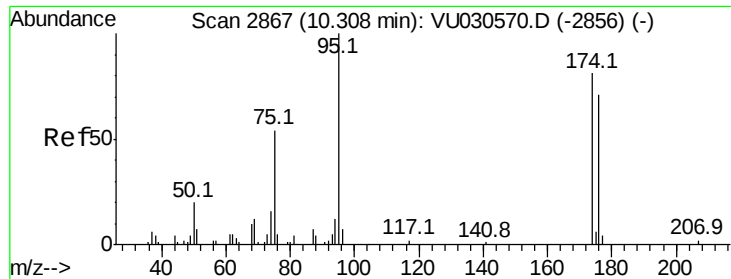
#56
1,2-Dibromoethane
Concen: 10.425 ug/l
RT: 8.59 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.4	0.0	190.0



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V



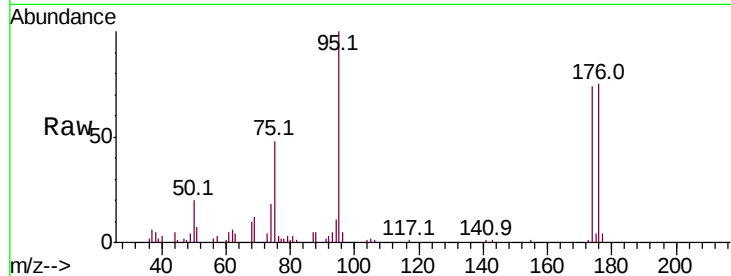


#57
4-Bromofluorobenzene
Concen: 10.425 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

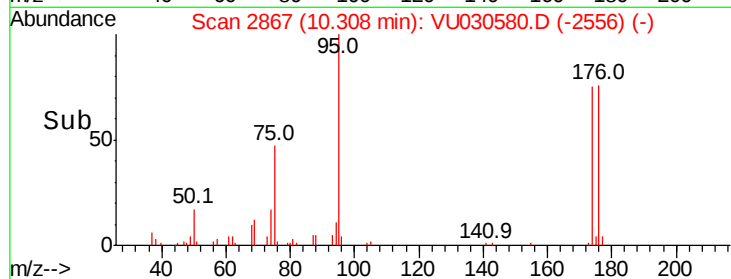
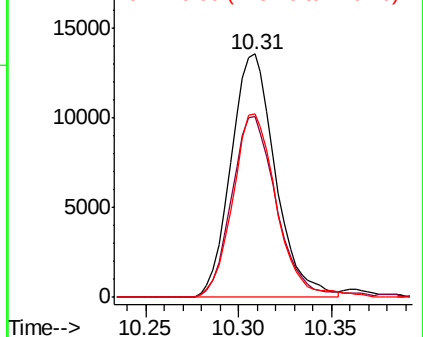
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
95	100		
174	75.2	60.5	90.7
176	74.4	57.9	86.9

Manual Integrations
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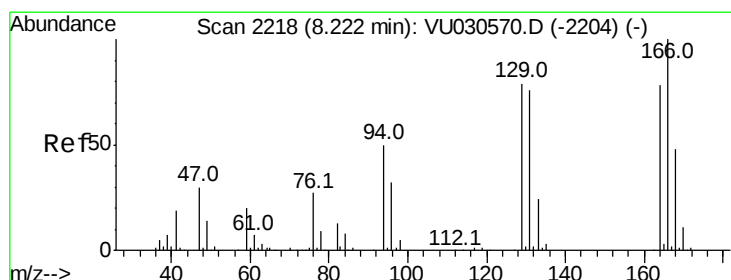


Abundance Ion 95.00 (94.70 to 95.70): VU030580.D (-2556) (-)
Ion 174.00 (173.70 to 174.70): VU030580.D (-2556) (-)
Ion 176.00 (175.70 to 176.70): VU030580.D (-2556) (-)



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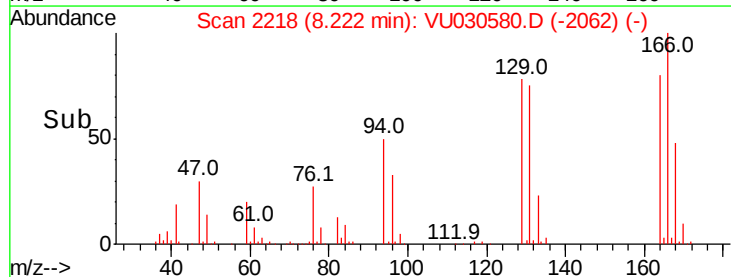
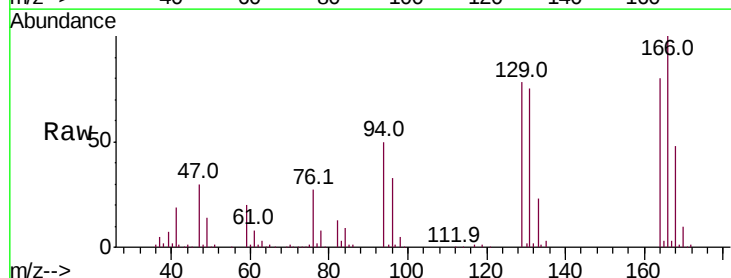
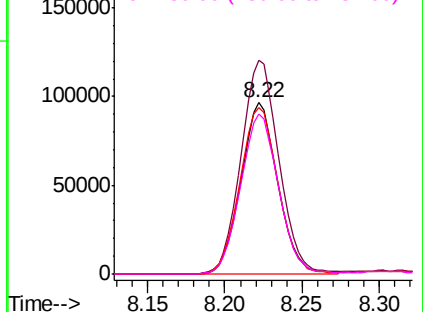
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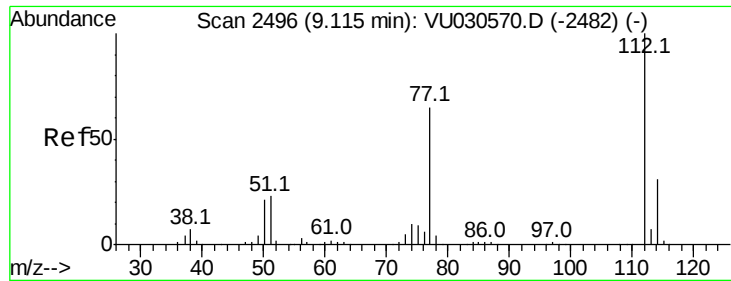


#58
Tetrachloroethene
Concen: 10.573 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	102.4	153.6
129	97.5	81.4	122.0
131	93.9	77.7	116.5

Abundance Ion 163.85 (163.55 to 164.55): VU030580.D (-2062) (-)
Ion 165.80 (165.50 to 166.50): VU030580.D (-2062) (-)
Ion 128.90 (128.60 to 129.60): VU030580.D (-2062) (-)
Ion 130.90 (130.60 to 131.60): VU030580.D (-2062) (-)



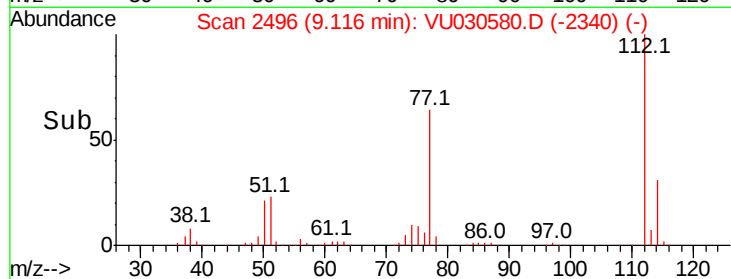
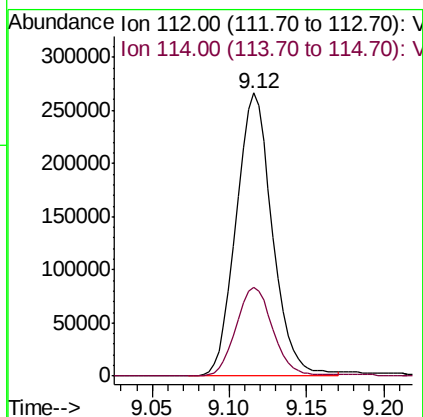
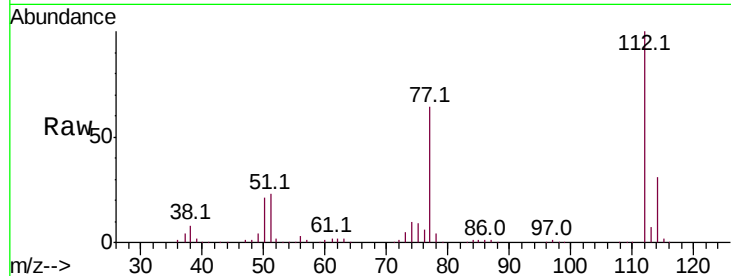


#59
Chlorobenzene
Concen: 10.385 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

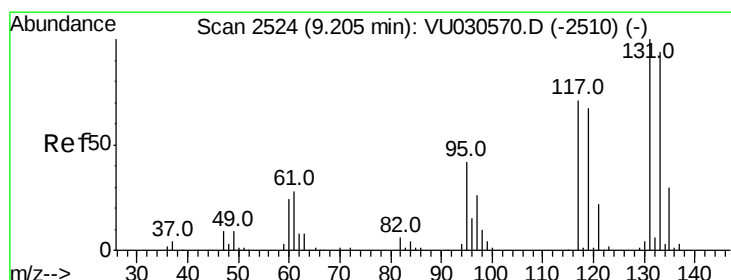
Tot Ion:112 Resp: 433966
Ion Ratio Lower Upper
112 100
114 31.4 24.9 37.3

Manual Integrations
APPROVED



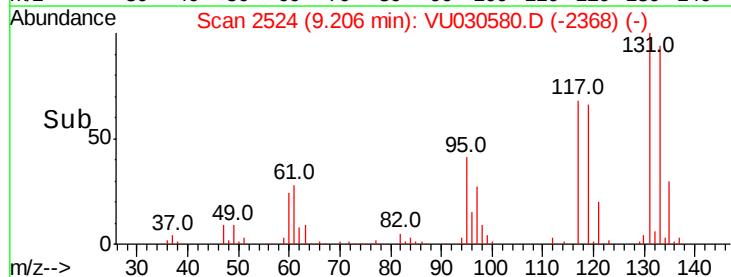
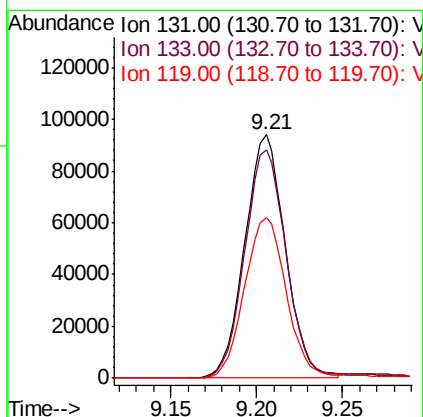
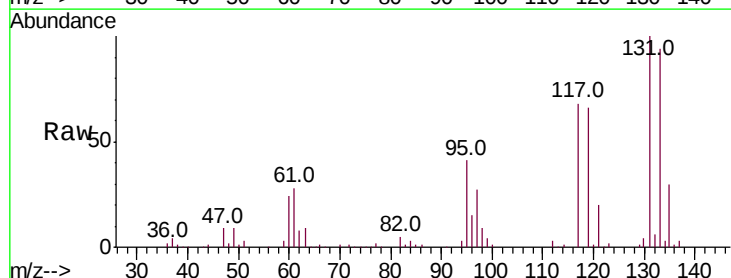
MMDadoda

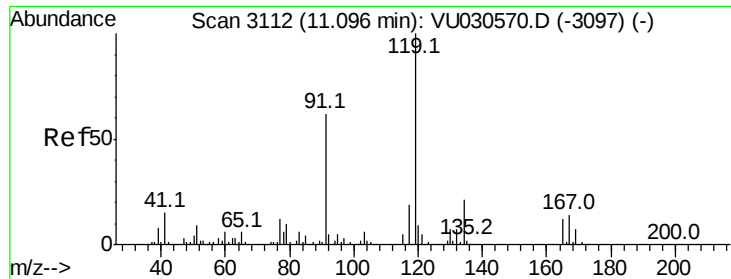
4/5/2019 2:39:09 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 9.937 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion:131 Resp: 153884
Ion Ratio Lower Upper
131 100
133 96.2 77.5 116.3
119 68.0 53.2 79.8



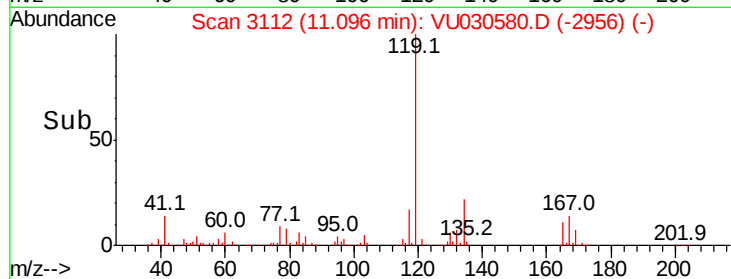
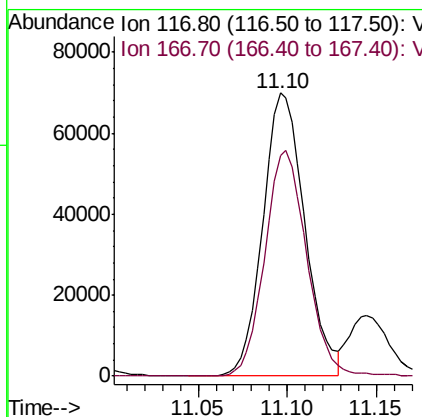
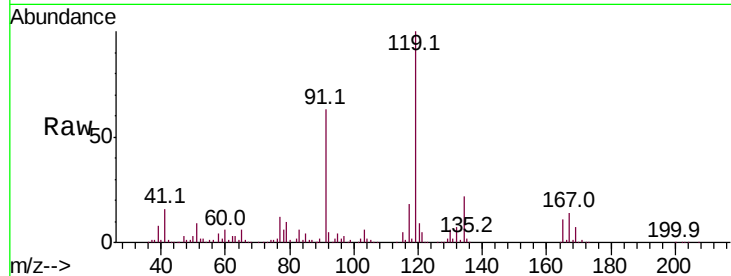


#61
 Pentachloroethane
 Concen: 9.625 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

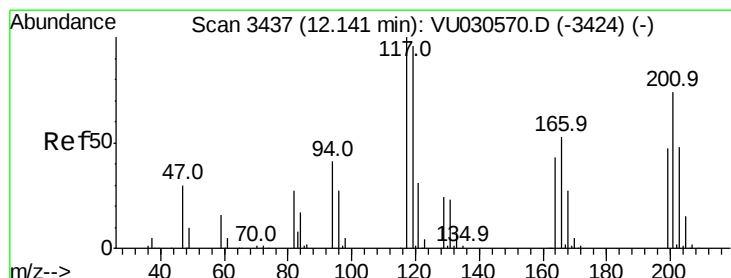
Tot Ion	Ratio	Lower	Upper
117	100		
167	79.7	62.6	93.8

Manual Integrations
 APPROVED



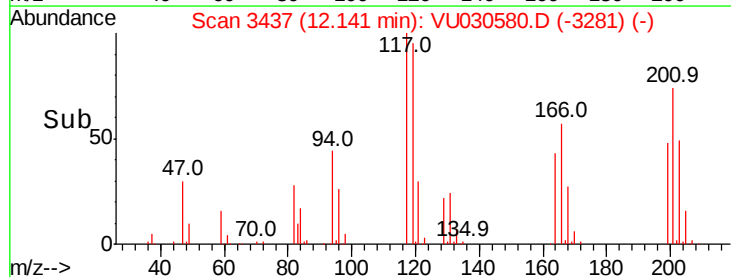
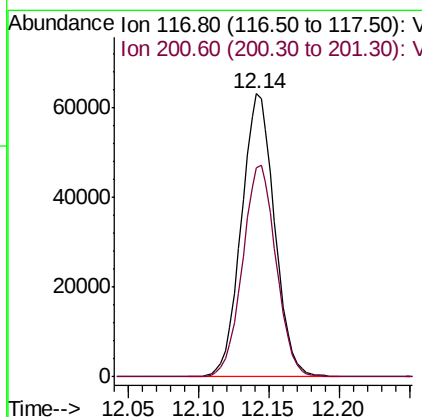
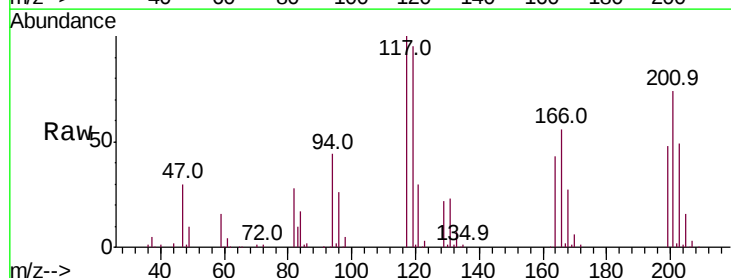
MMDadoda

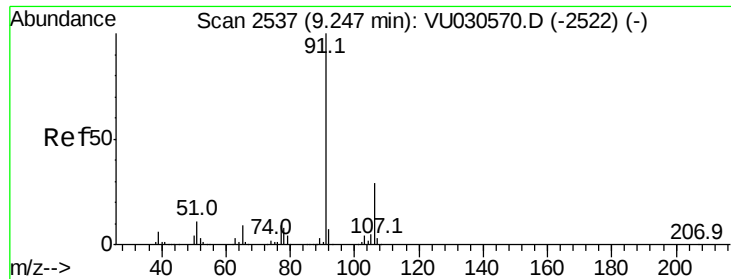
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#62
 Hexachloroethane
 Concen: 10.008 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.6	59.1	88.7



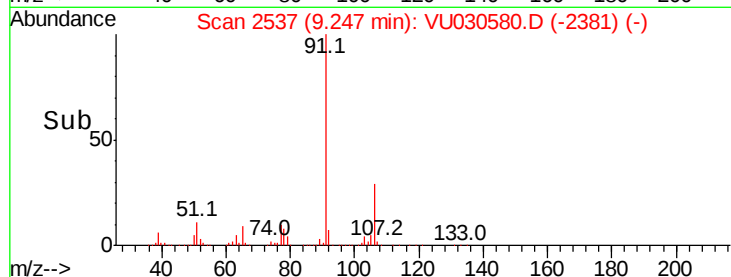
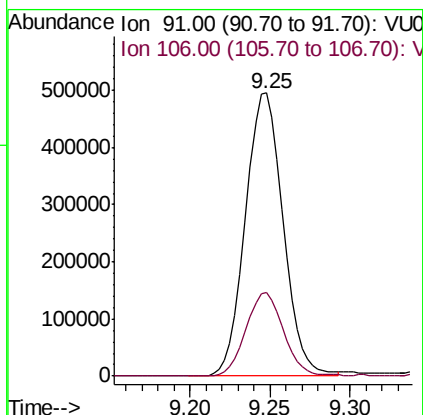
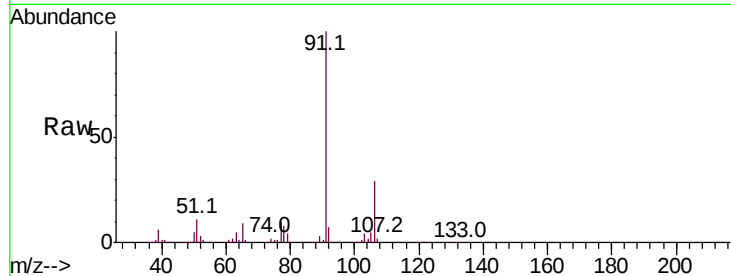


#63
Ethyl Benzene
Concen: 10.771 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

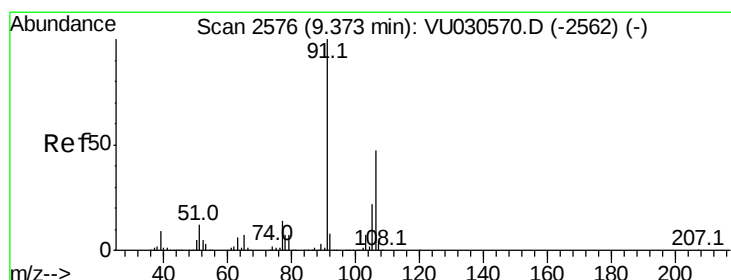
Tot Ion: 91 Resp: 799083
Ion Ratio Lower Upper
91 100
106 29.3 23.1 34.7

Manual Integrations
APPROVED



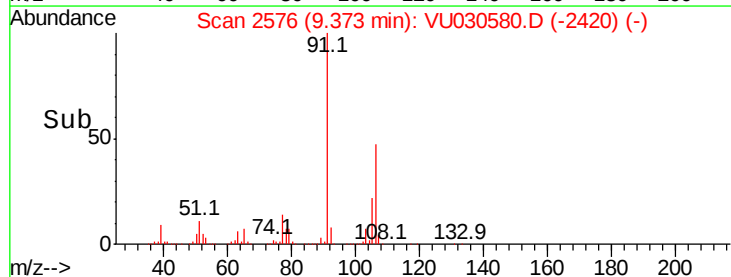
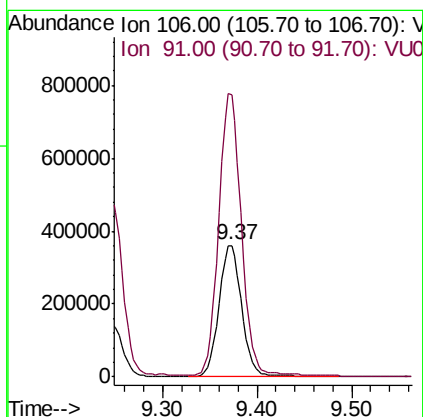
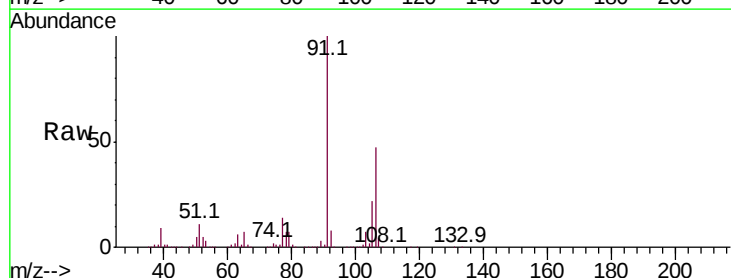
MMDadoda

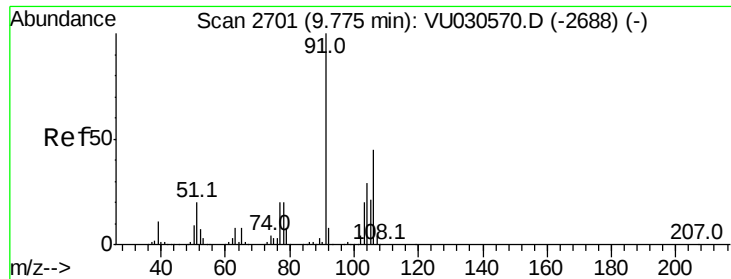
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#64
m/p-Xylenes
Concen: 21.952 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion: 106 Resp: 595700
Ion Ratio Lower Upper
106 100
91 218.4 179.4 269.0



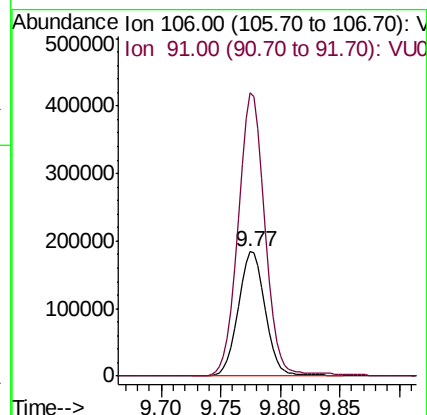
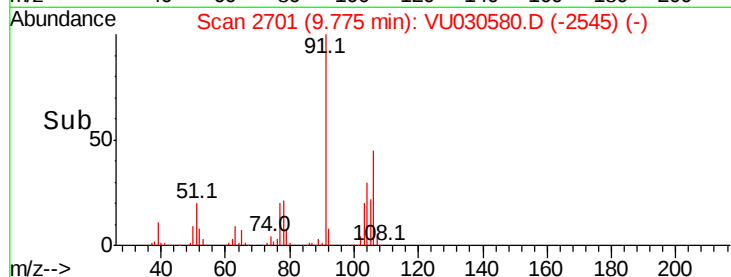
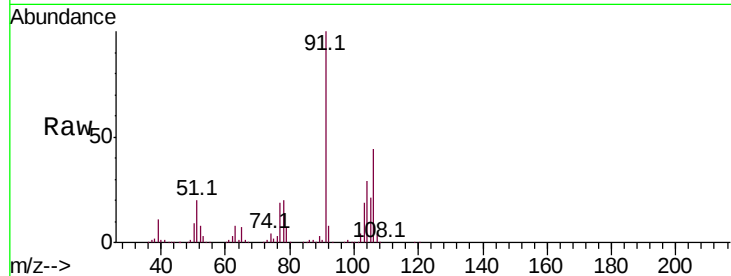


#65
o-Xylene
Concen: 11.169 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

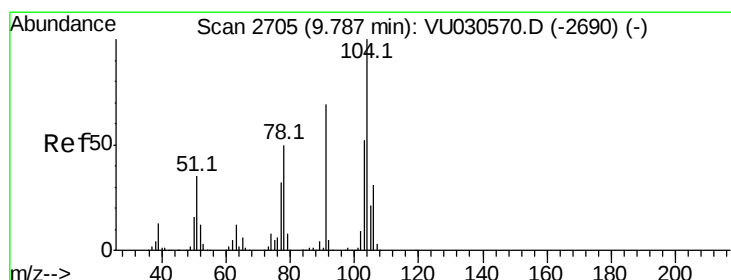
Tot Ion:106 Resp: 291383
Ion Ratio Lower Upper
106 100
91 227.0 115.5 346.4

Manual Integrations
APPROVED



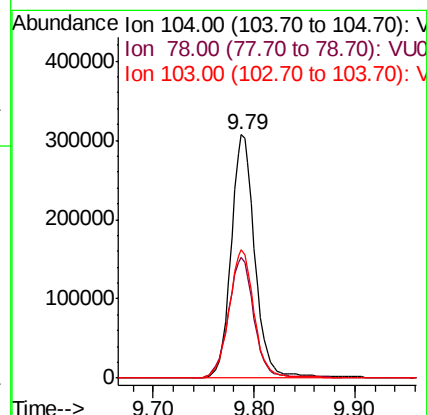
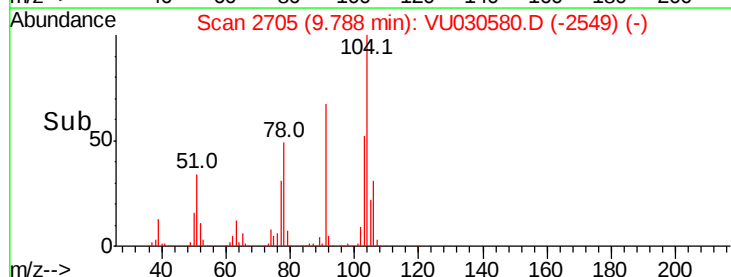
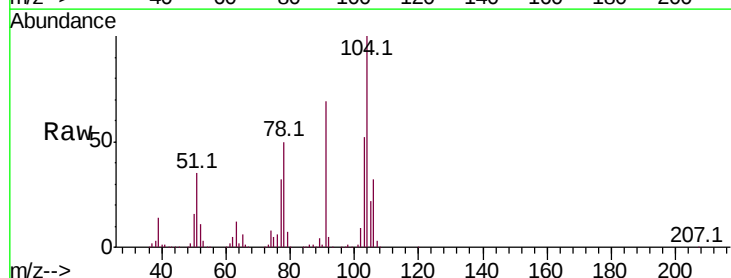
MMDadoda

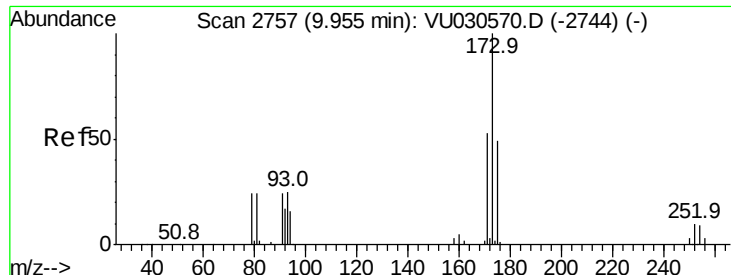
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#66
Styrene
Concen: 11.494 ug/l
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion:104 Resp: 505406
Ion Ratio Lower Upper
104 100
78 53.7 42.3 63.5
103 55.7 44.7 67.1





#67

Bromoform

Concen: 10.751 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 82470

Ion Ratio Lower Upper

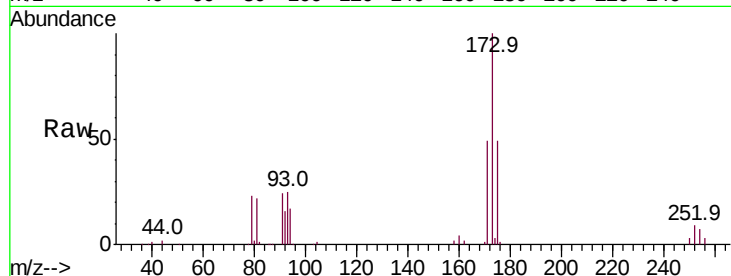
173 100

175 51.1 38.6 57.8

254 8.0 6.9 10.3

Manual Integrations

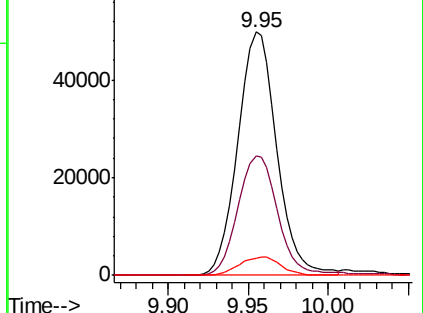
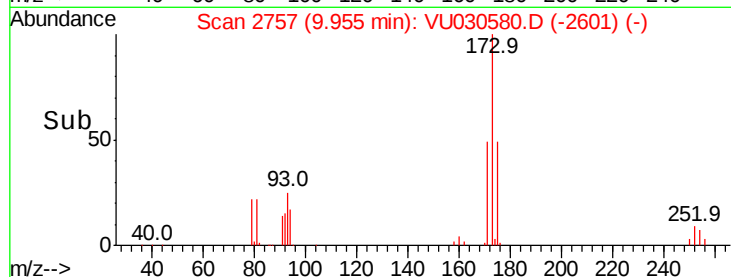
APPROVED



Abundance Ion 172.90 (172.60 to 173.60): V

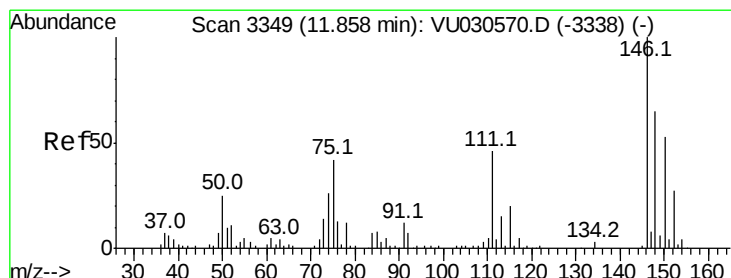
Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



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#68

1,2-Dichlorobenzene-d4

Concen: 10.751 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

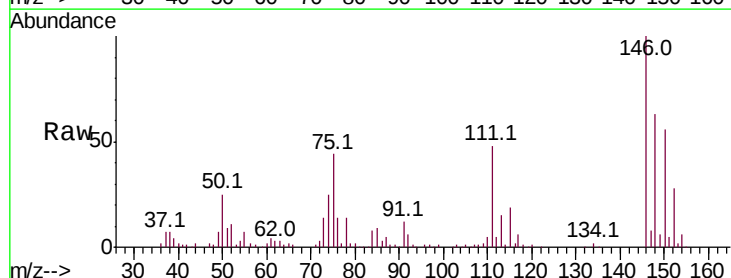
Tgt Ion:152 Resp: 20564

Ion Ratio Lower Upper

152 100

115 65.6 0.0 136.2

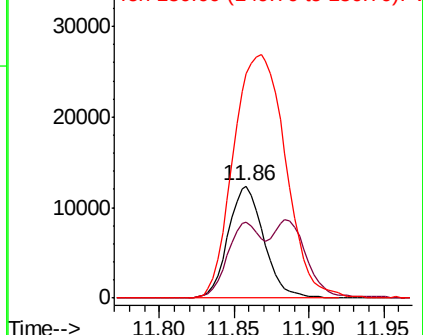
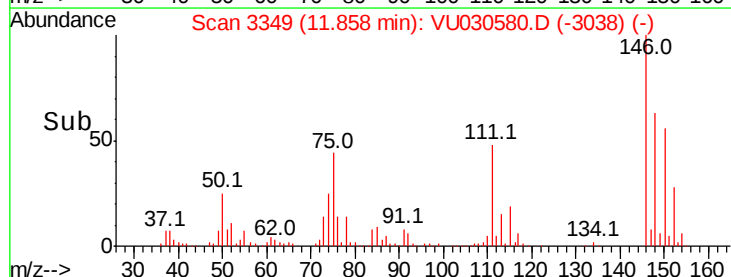
150 317.5 0.0 634.6

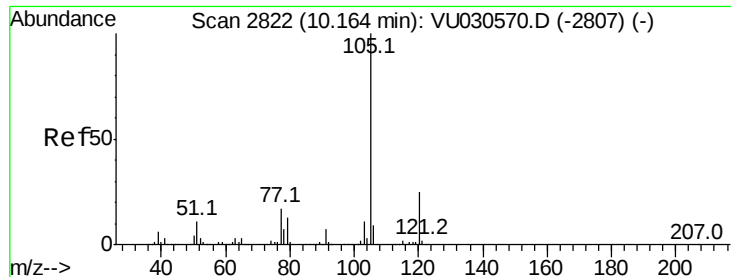


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 10.877 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

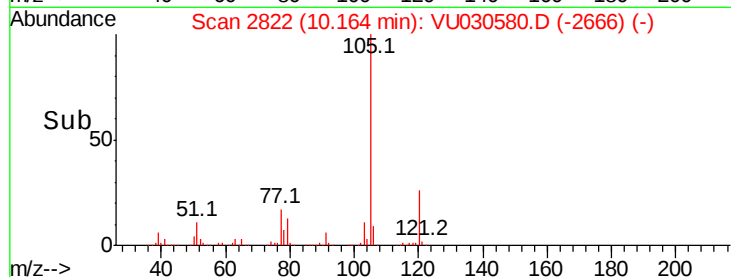
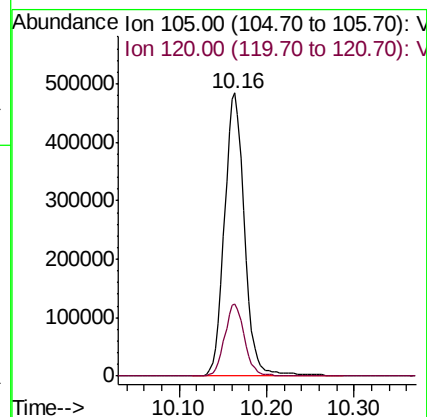
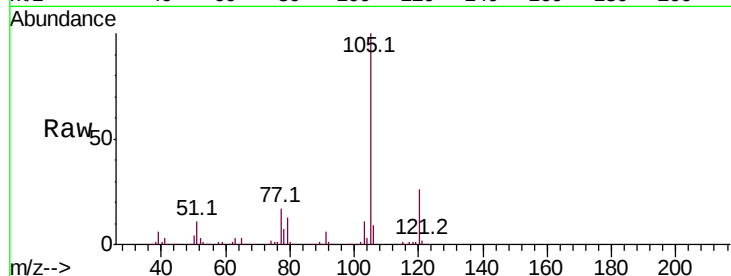
Tot Ion: 105 Resp: 772172

Ion Ratio Lower Upper

105 100

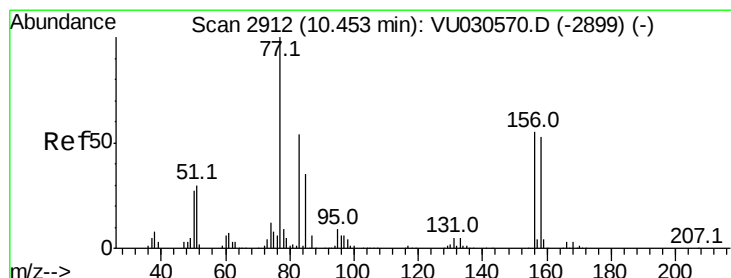
120 25.0 12.6 37.6

Manual Integrations
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#70

1,1,2,2-Tetrachloroethane

Concen: 10.501 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

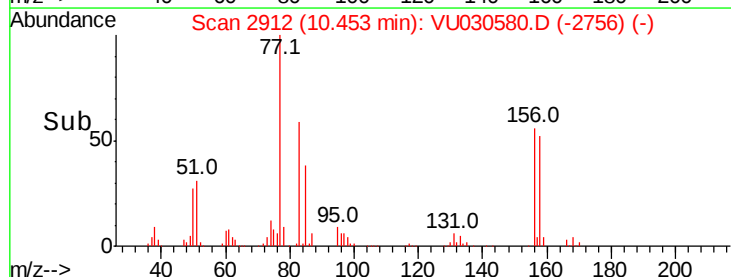
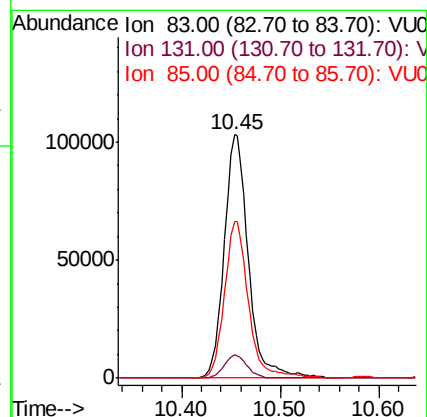
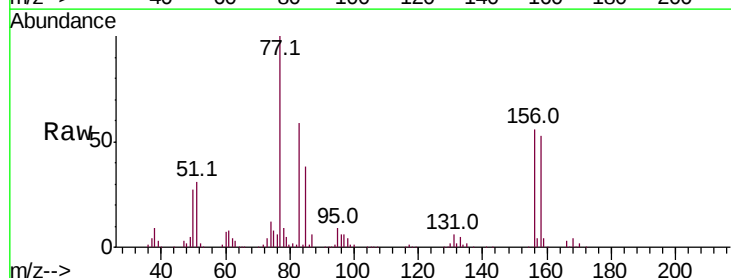
Tgt Ion: 83 Resp: 177587

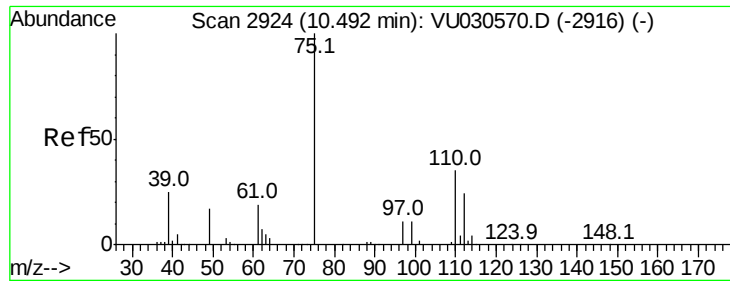
Ion Ratio Lower Upper

83 100

131 9.1 7.0 10.6

85 64.0 51.0 76.4



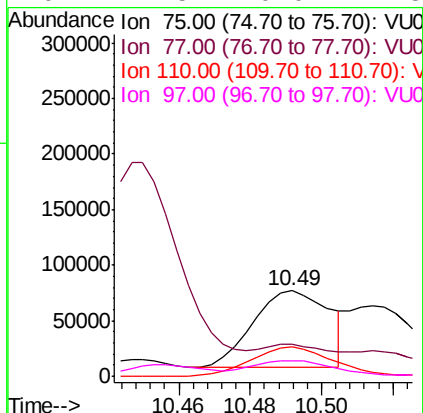
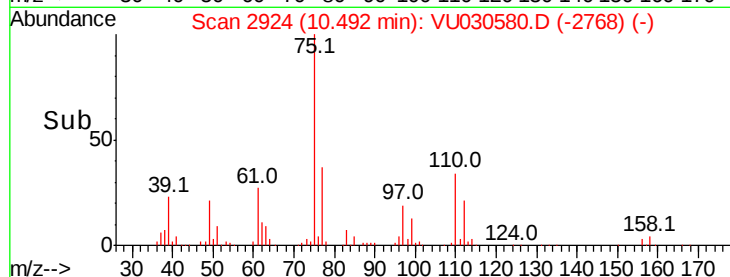
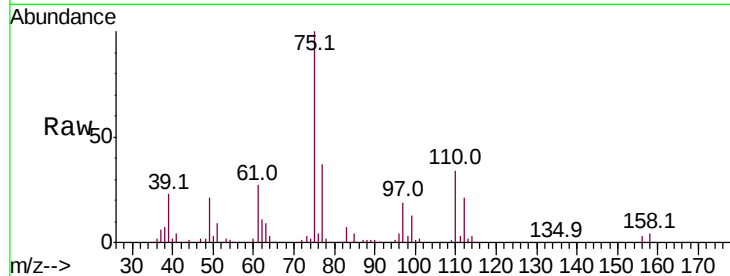


#71
 1,2,3-Trichloropropane
 Concen: 9.537 ug/l
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

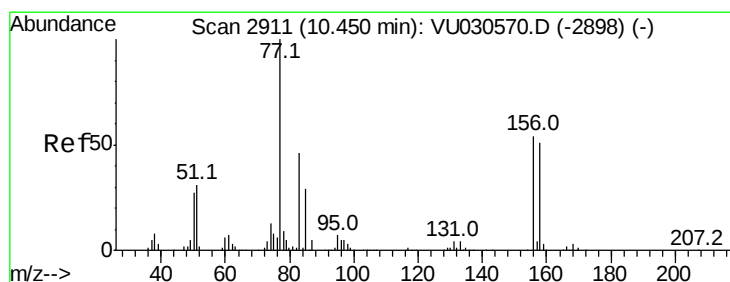
Tot Ion	Ion	Ratio	Lower	Upper
75	100			
77	0.0	0.0	0.0	0.0
110	42.2	0.0	83.8	
97	22.5	0.0	42.8	

Manual Integrations
 APPROVED



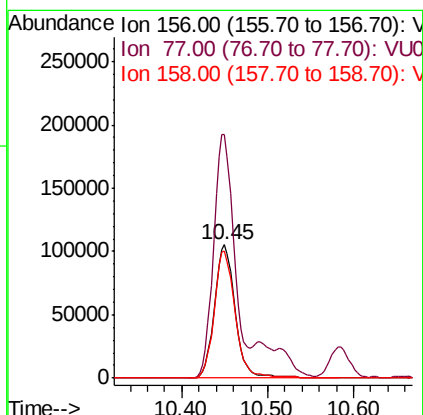
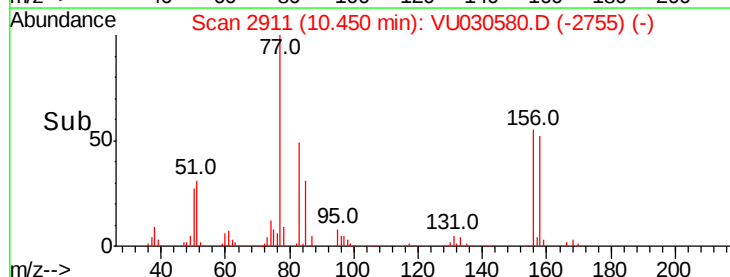
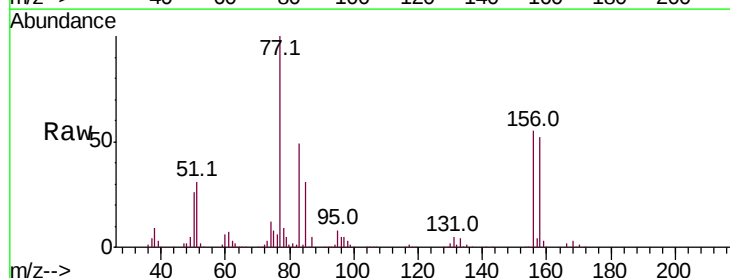
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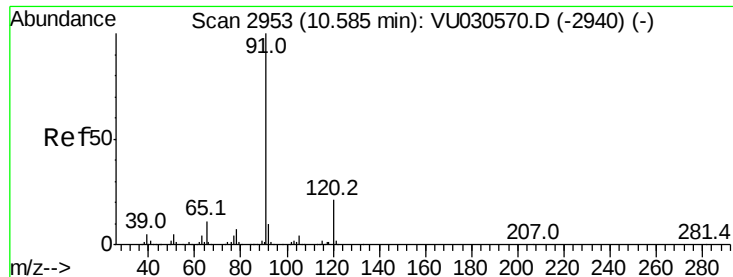
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#72
 Bromobenzene
 Concen: 10.399 ug/l
 RT: 10.45 min Scan# 2911
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Tgt Ion	Ion	Ratio	Lower	Upper
156	100			
77	180.9	0.0	363.0	
158	97.1	0.0	193.2	





#73

n-propylbenzene

Concen: 11.292 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

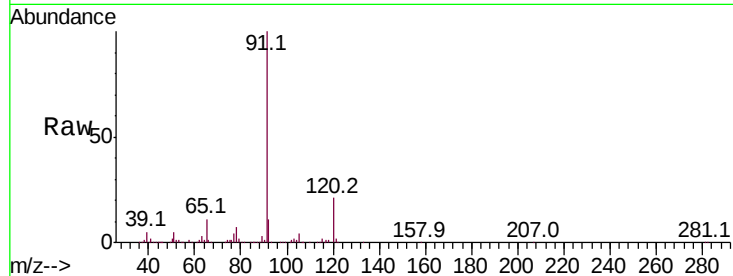
Tot Ion:120 Resp: 205461

Ion Ratio Lower Upper

120 100

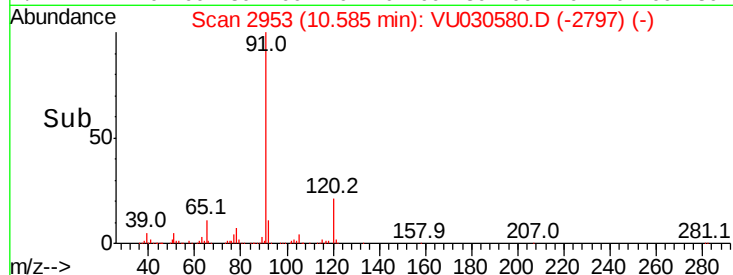
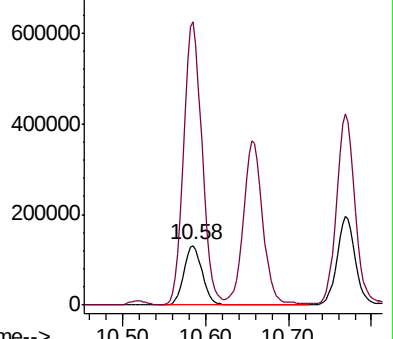
91 469.0 371.6 557.4

Manual Integrations
APPROVED



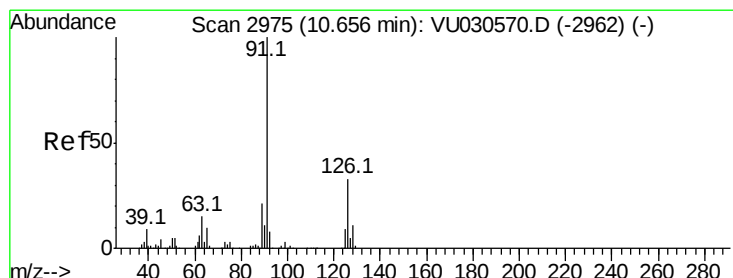
Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



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#74

2-Chlorotoluene

Concen: 10.838 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU030580.D

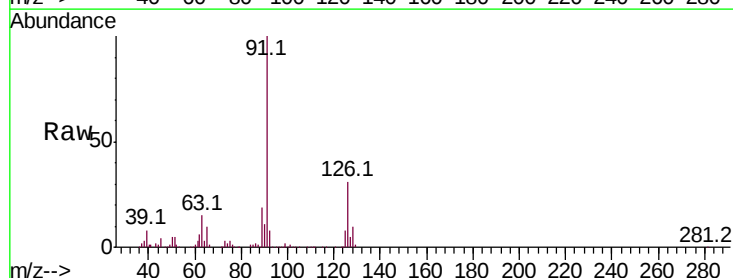
Acq: 30 Mar 2019 19:44

Tgt Ion:126 Resp: 182931

Ion Ratio Lower Upper

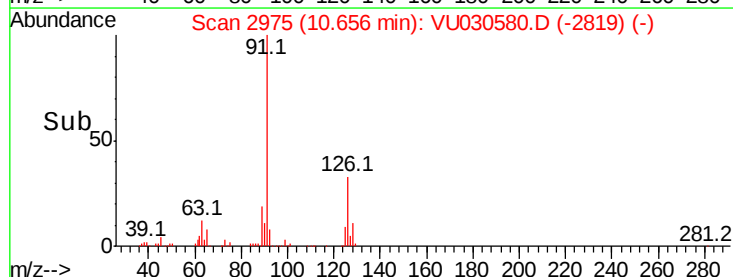
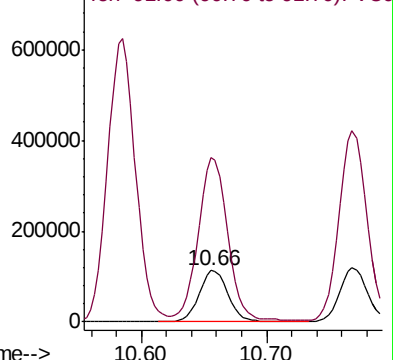
126 100

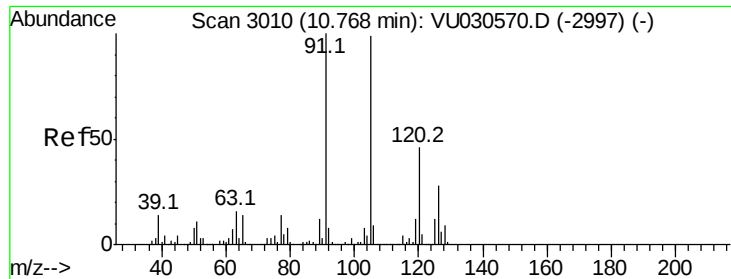
91 326.6 0.0 656.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 11.159 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030580.D

Acq: 30 Mar 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

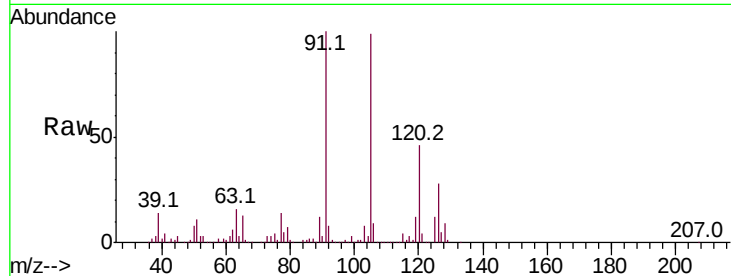
Tot Ion:105 Resp: 665909

Ion Ratio Lower Upper

105 100

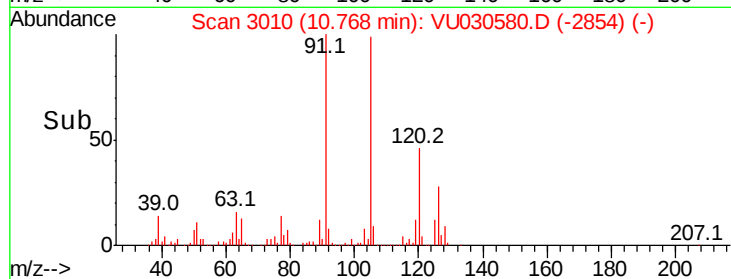
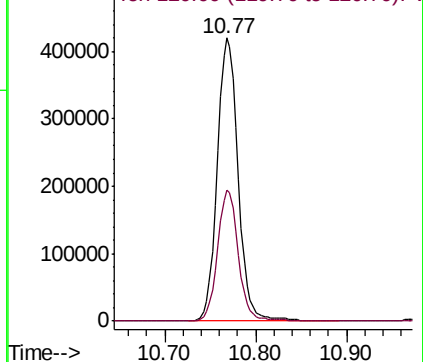
120 46.4 37.6 56.4

Manual Integrations
APPROVED



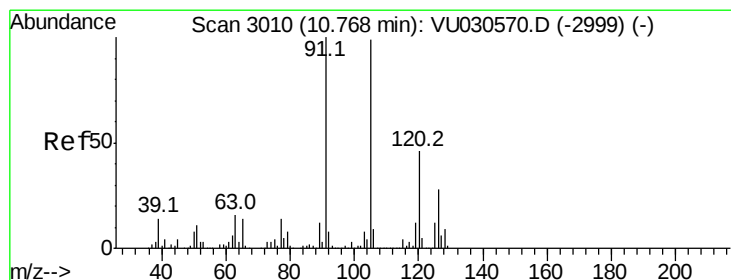
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#76

4-Chlorotoluene

Concen: 11.012 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030580.D

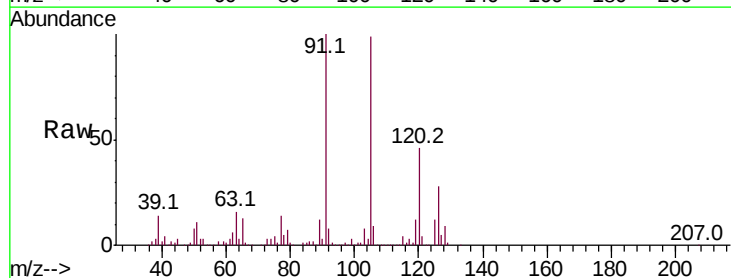
Acq: 30 Mar 2019 19:44

Tgt Ion:126 Resp: 188937

Ion Ratio Lower Upper

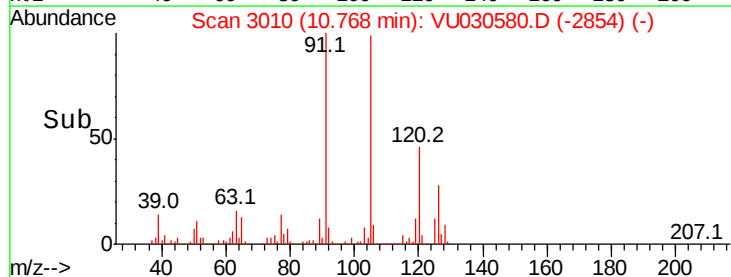
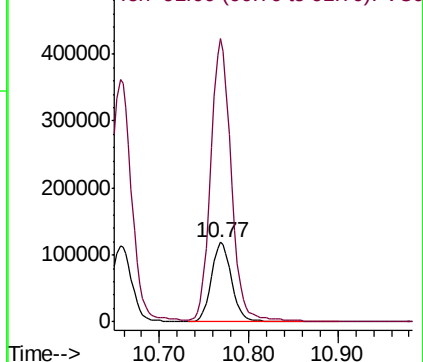
126 100

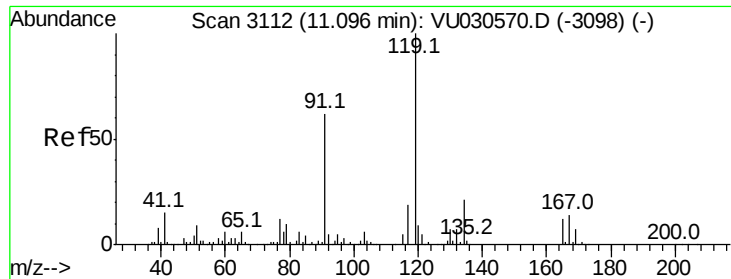
91 356.5 0.0 721.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU



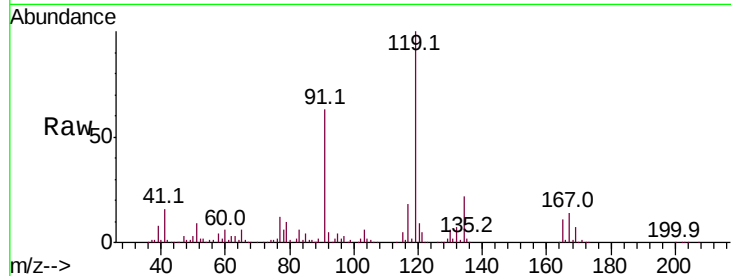


#77
tert-Butylbenzene
Concen: 10.854 ug/l
RT: 11.10 min Scan# 3112
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	30.9	92.8
134	22.0	17.6	26.4

Manual Integrations
APPROVED

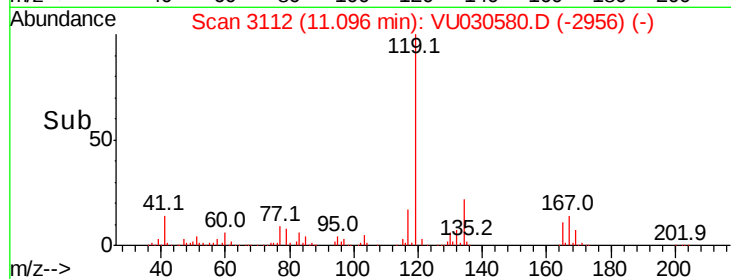
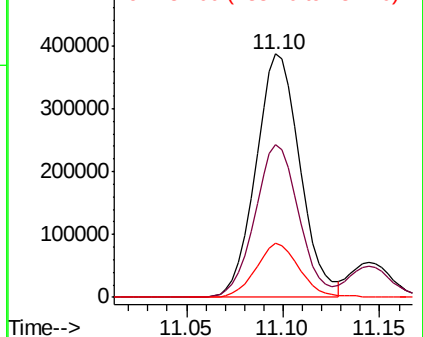


Abundance

Ion 119.00 (118.70 to 119.70): V

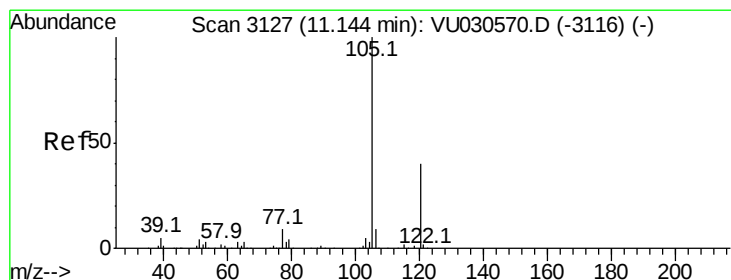
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



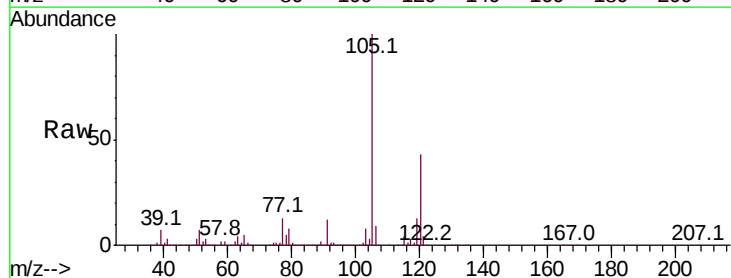
MMDadoda

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#78
1,2,4-Trimethylbenzene
Concen: 11.382 ug/l
RT: 11.14 min Scan# 3127
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

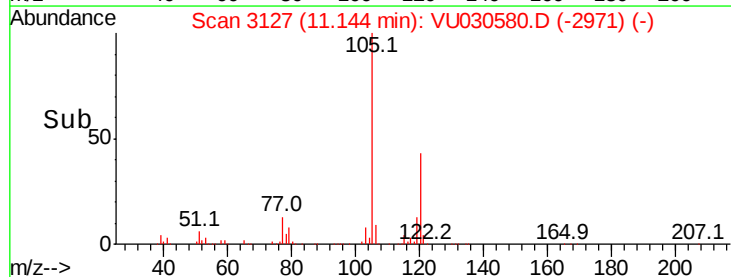
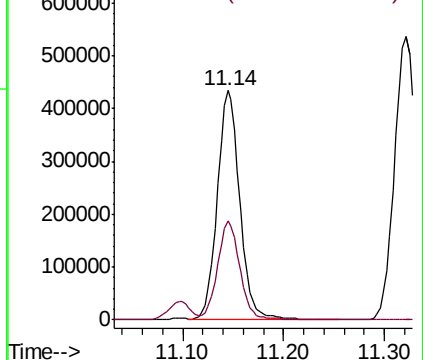
Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.2	22.1	66.5

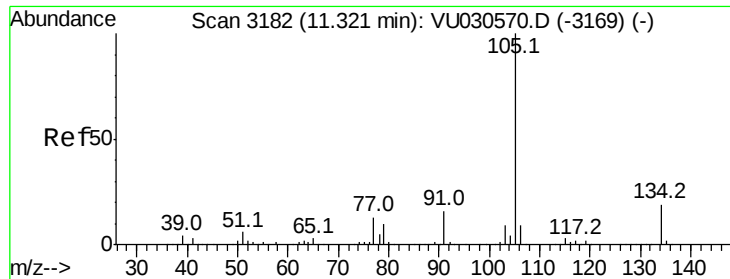


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



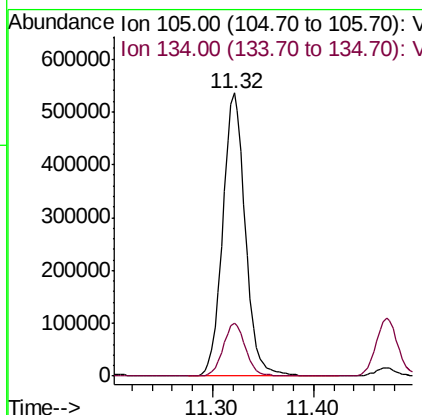
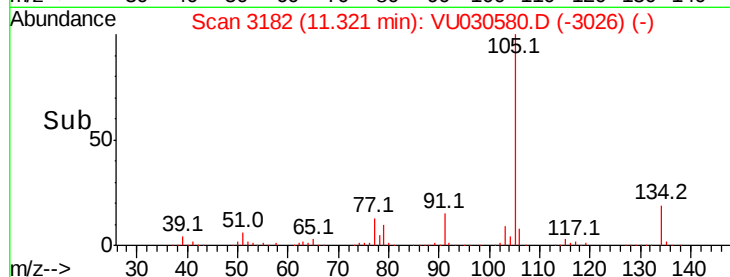
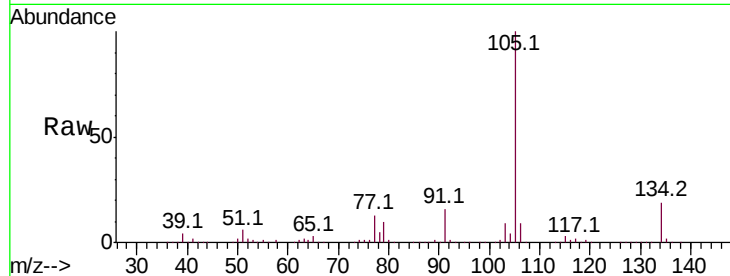


#79
 sec-Butylbenzene
 Concen: 10.877 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

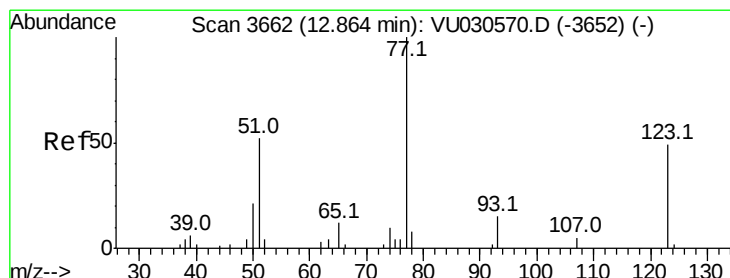
Tot Ion	Ratio	Lower	Upper
105	100		
134	18.8	14.7	22.1

Manual Integrations
 APPROVED



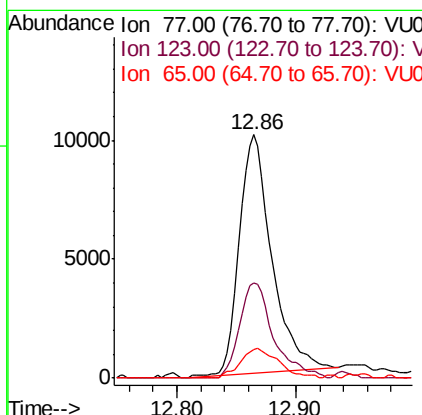
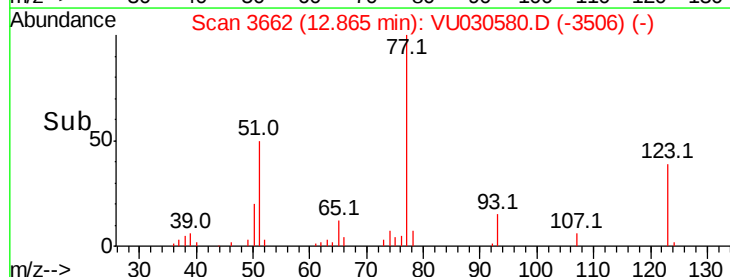
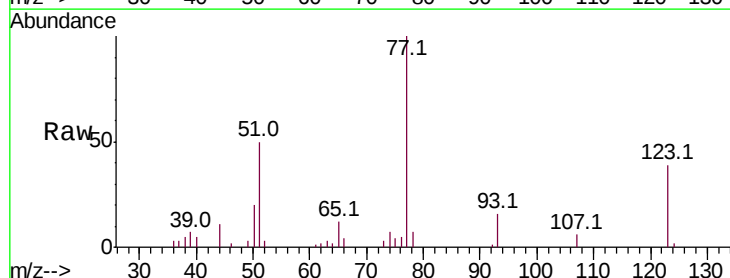
MMDadoda

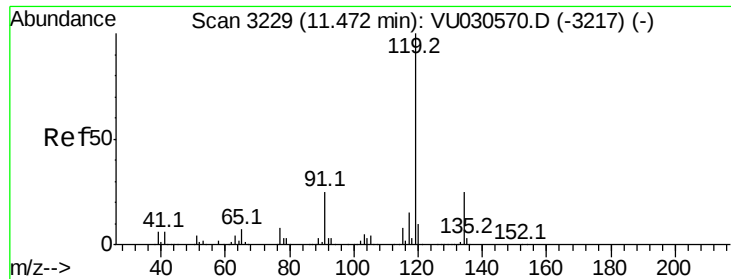
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#80
 Nitrobenzene
 Concen: 83.690 ug/l
 RT: 12.86 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Tgt Ion	Ratio	Lower	Upper
77	100		
123	41.5	17.5	62.1
65	14.5	8.1	10.3



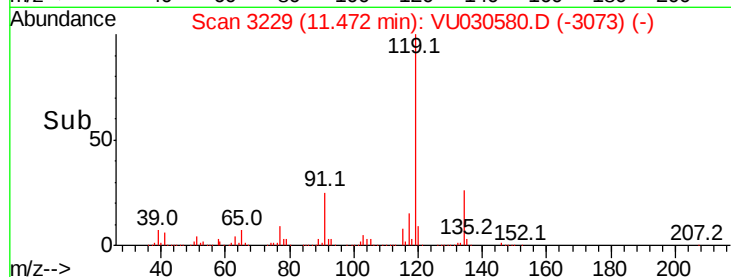
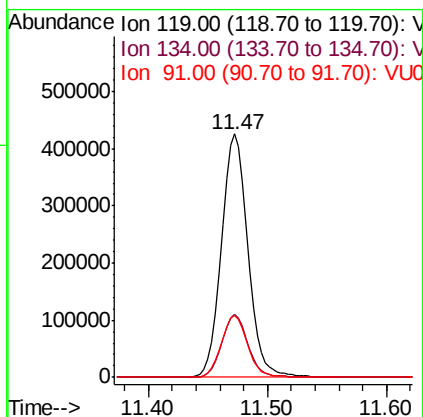
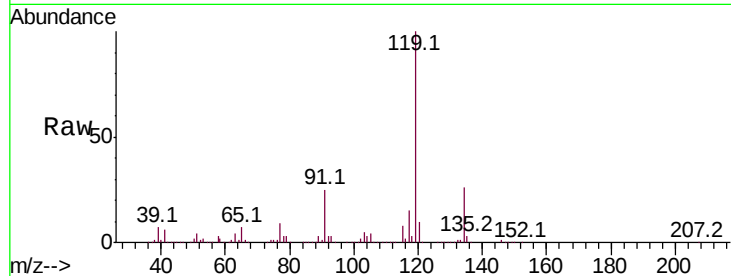


#81
p-Isopropyltoluene
Concen: 11.097 ug/l
RT: 11.47 min Scan# 3229
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

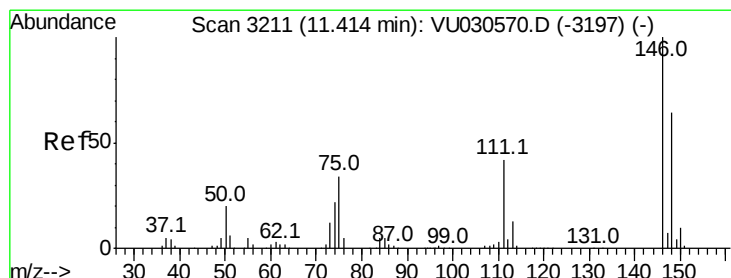
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.6	31.0
91	25.3	20.4	30.6

Manual Integrations
APPROVED



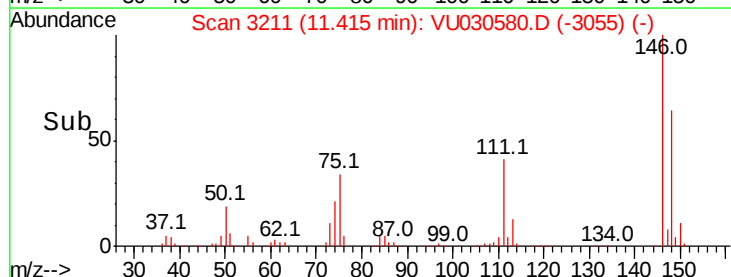
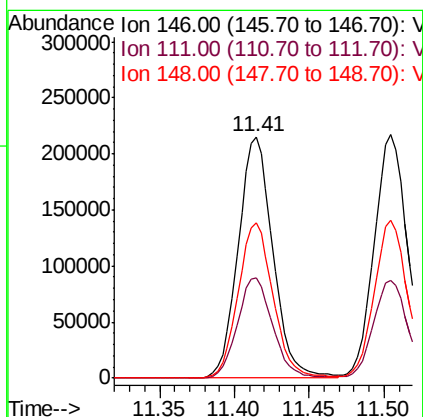
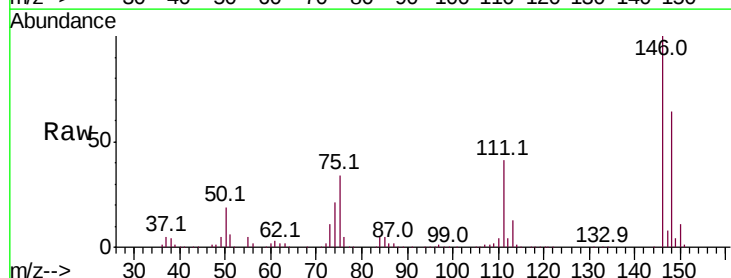
MMDadoda

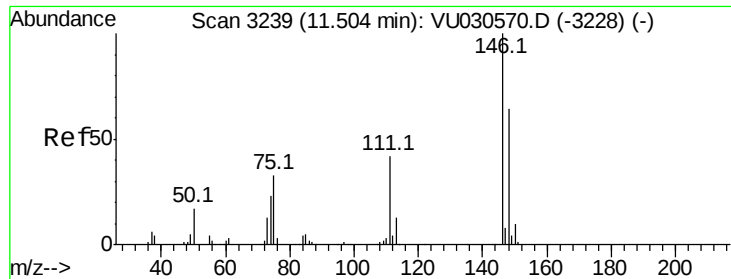
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#82
1,3-Dichlorobenzene
Concen: 10.204 ug/l
RT: 11.41 min Scan# 3211
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	34.0	51.0
148	64.8	51.0	76.6



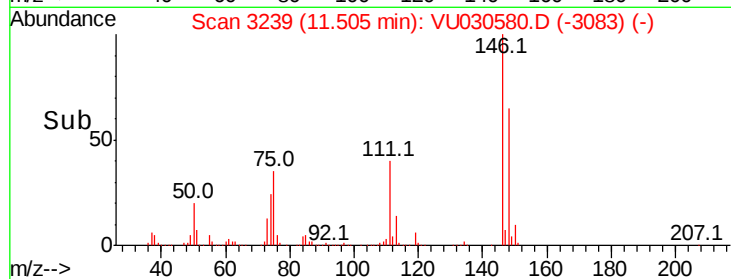
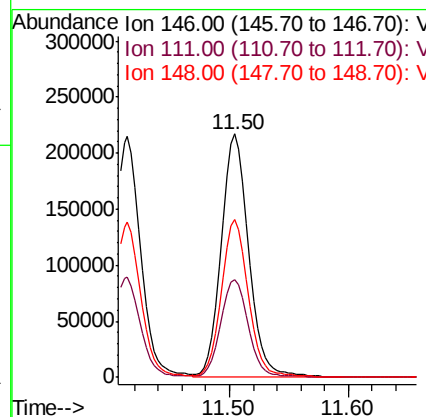
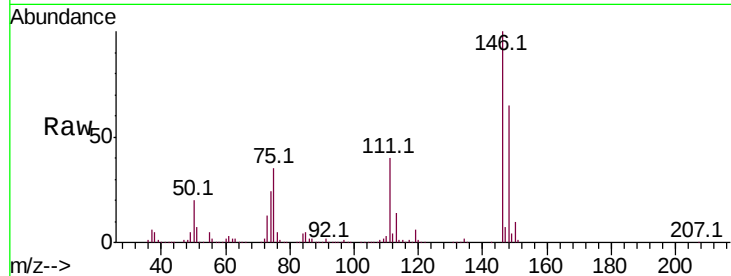


#83
1,4-Dichlorobenzene
Concen: 10.154 ug/l
RT: 11.50 min Scan# 3239
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

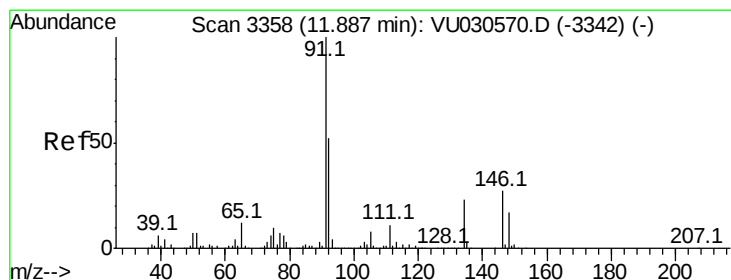
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	32.8	49.2
148	64.1	50.5	75.7

Manual Integrations
APPROVED



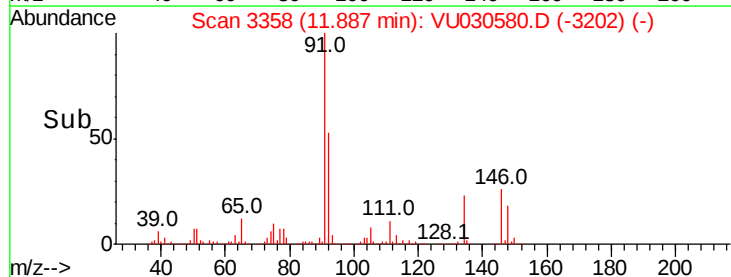
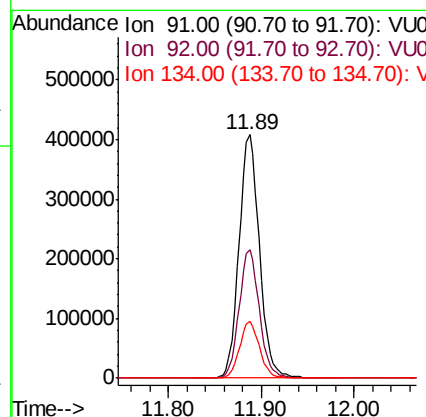
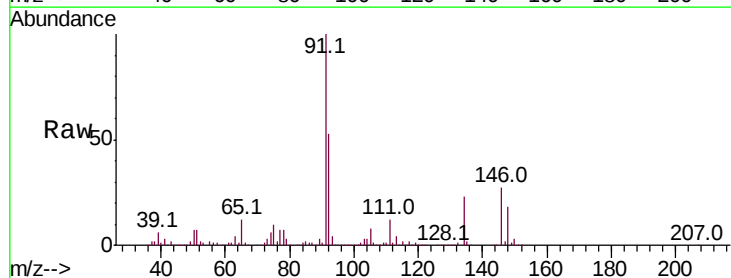
MMDadoda

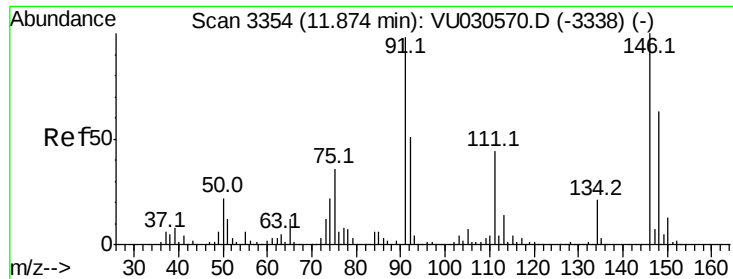
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#84
n-Butylbenzene
Concen: 10.924 ug/l
RT: 11.89 min Scan# 3358
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	41.7	62.5
134	22.8	18.3	27.5



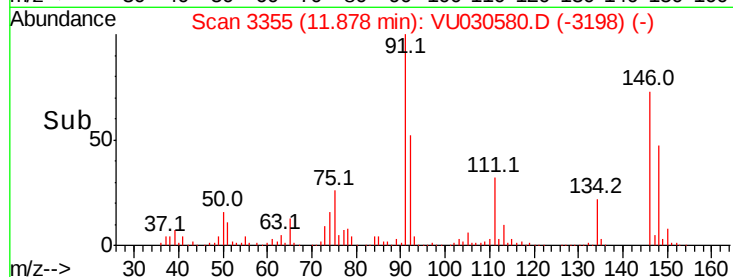
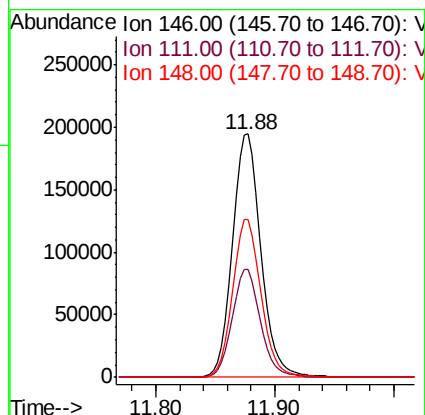
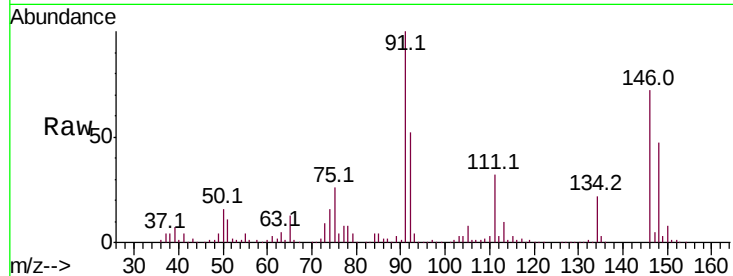


#85
 1,2-Dichlorobenzene
 Concen: 10.091 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

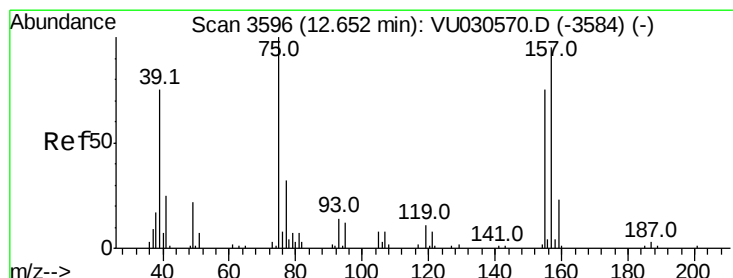
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.9	65.5
148	64.8	31.5	94.5

Manual Integrations
 APPROVED



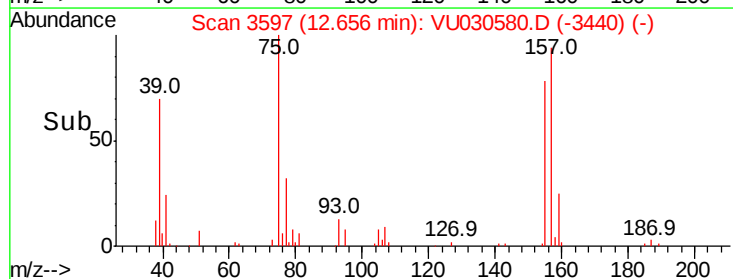
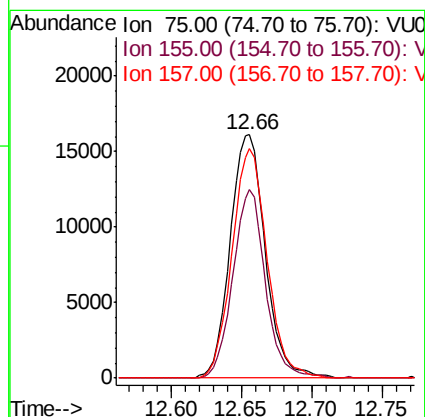
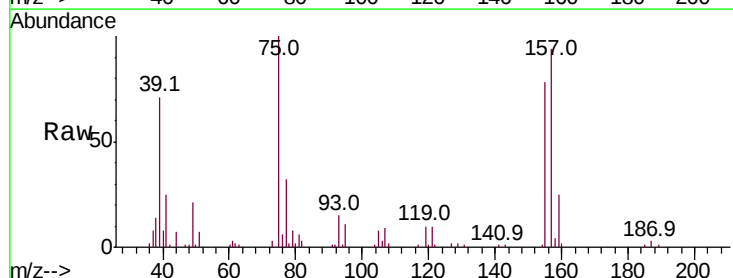
MMDadoda

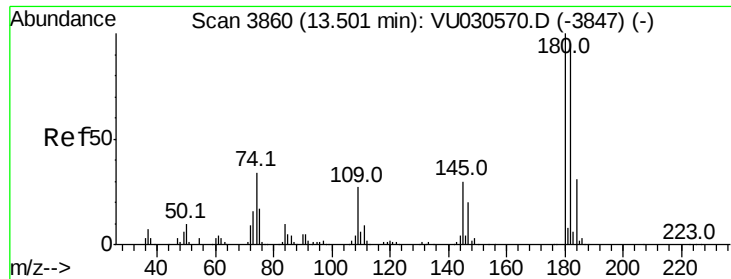
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 11.338 ug/l
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.5	59.7	89.5
157	93.9	73.7	110.5



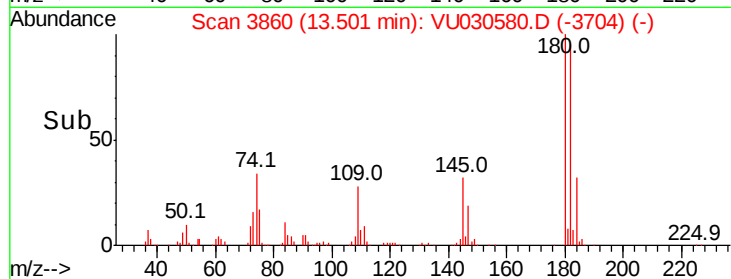
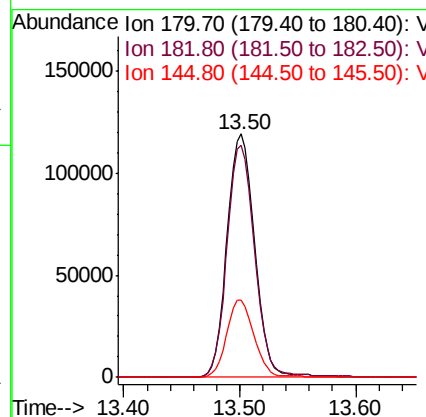
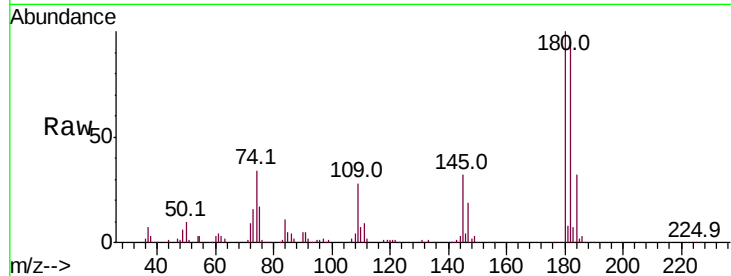


#87
 1,2,4-Trichlorobenzene
 Concen: 10.793 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

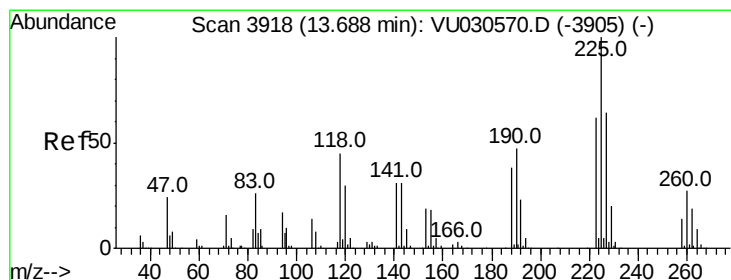
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.0	114.0
145	31.5	24.3	36.5

Manual Integrations
 APPROVED



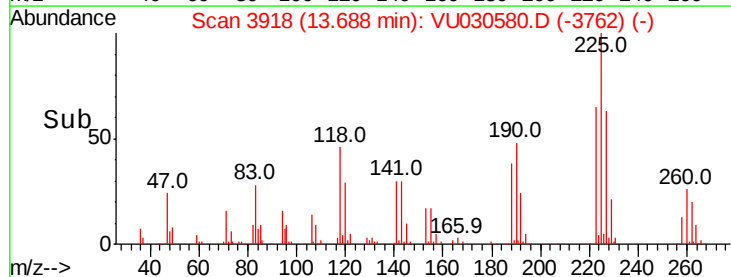
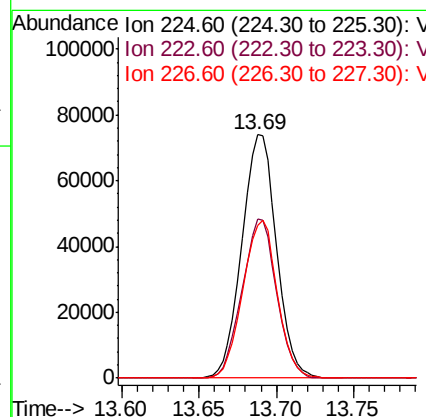
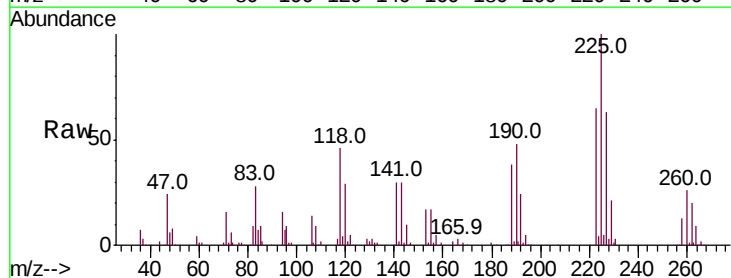
MMDadoda

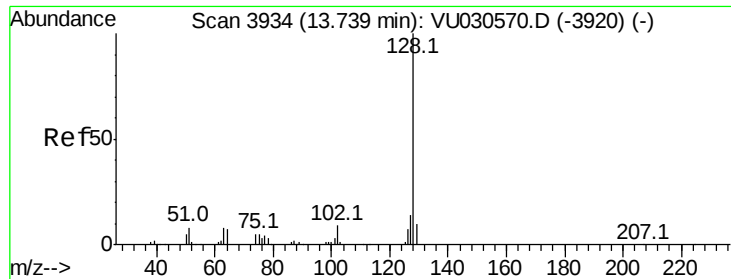
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#88
 Hexachlorobutadiene
 Concen: 10.000 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: VU030580.D
 Acq: 30 Mar 2019 19:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	50.7	76.1
227	64.8	50.8	76.2



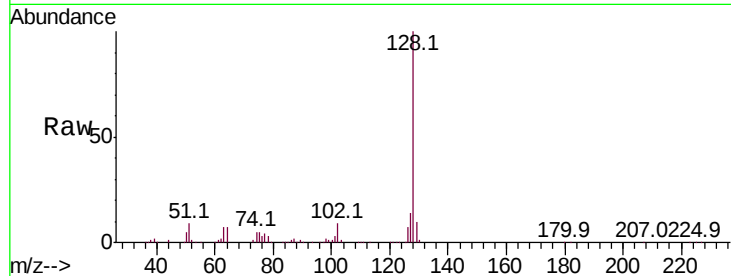


#89
Naphthalene
Concen: 11.148 ug/l
RT: 13.74 min Scan# 3934
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

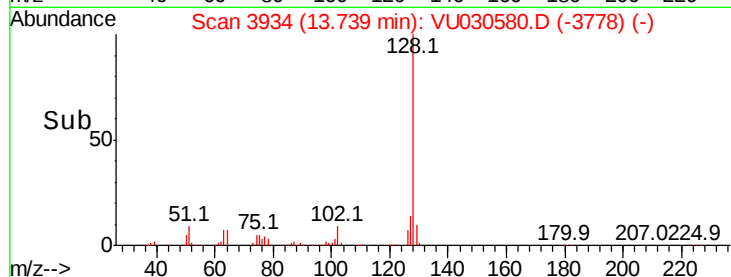
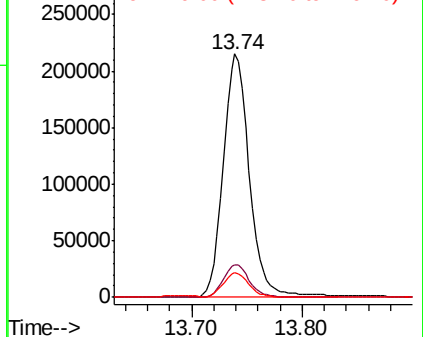
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:	128	Resp:	355857
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.4	15.6
129	9.8	7.8	11.8

Manual Integrations
APPROVED

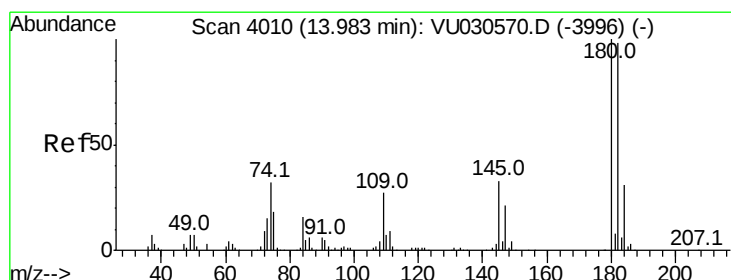


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



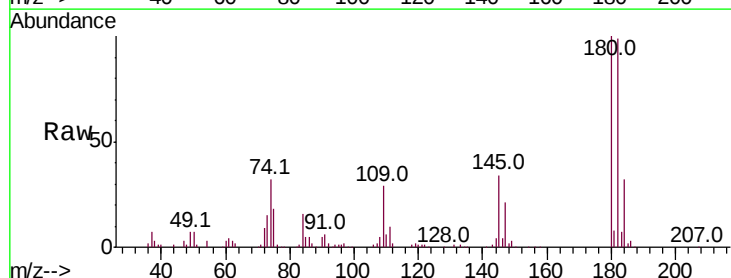
MMDadoda

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#90
1,2,3-Trichlorobenzene
Concen: 10.704 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VU030580.D
Acq: 30 Mar 2019 19:44

Tgt Ion:	180	Resp:	185736
Ion Ratio	Lower	Upper	
180	100		
182	96.4	76.6	114.8
145	32.5	25.9	38.9



Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.70 (181.40 to 182.40): V
Ion 144.80 (144.50 to 145.50): V

