

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033119\
 Data File : VU030573.D
 Acq On : 30 Mar 2019 14:16
 Operator : JC/SP
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

Quant Time: Mar 31 01:05:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U033119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sun Mar 31 00:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	50872	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	18282	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	17842	0.86	ug/l	0.00
Spiked Amount 1.000			Recovery	=	86.00%	

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Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	10216	0.528	ug/l 94
3) Chloromethane	1.33	50	15089	0.680	ug/l 99
4) Vinyl Chloride	1.40	62	11481	0.596	ug/l 97
5) Bromomethane	1.63	94	5548	0.528	ug/l 97
6) Chloroethane	1.70	64	7488	0.679	ug/l 99
7) Trichlorofluoromethane	1.88	101	12096	0.498	ug/l 93
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	6495	0.500	ug/l 99
9) 1,1-Dichloroethene	2.28	96	6760	0.524	ug/l 89
10) Iodomethane	2.41	142	2617	0.236	ug/l 94
11) Allyl Chloride	2.59	41	13352	0.668	ug/l 96
12) Acrylonitrile	2.93	53	3873	1.320	ug/l 93
13) Acetone	2.32	43	10694	4.121	ug/l 100
14) Carbon Disulfide	2.47	76	23666	0.522	ug/l # 93
15) Methylene Chloride	2.70	84	9579	0.619	ug/l 97
16) trans-1,2-Dichloroethene	2.97	96	7471	0.504	ug/l # 87
17) 1,1-Dichloroethane	3.44	63	14468	0.557	ug/l 96
18) 2-Butanone	4.30	43	10289	2.858	ug/l 87
19) Cyclohexane	4.99	56	11840m	0.529	ug/l
20) Methylcyclohexane	6.41	83	9767	0.414	ug/l 94
21) 2,2-Dichloropropane	4.22	77	11508	0.533	ug/l 97
22) cis-1,2-Dichloroethene	4.22	96	7736	0.471	ug/l 92
23) Diethyl Ether	2.10	59	6351	0.629	ug/l 98
24) tert-Butyl Alcohol	2.84	59	6778	6.294	ug/l 98
25) Methyl tert-Butyl Ether	3.00	73	18855	0.562	ug/l 96
26) Bromochloromethane	4.54	128	2931	0.415	ug/l 96
27) Chloroform	4.66	83	13143	0.487	ug/l 94
28) 1,1,1-Trichloroethane	4.91	97	11019	0.500	ug/l 97
29) 1,1-Dichloropropene	5.13	75	10125	0.506	ug/l 97
30) Carbon Tetrachloride	5.13	117	9266	0.475	ug/l 89
31) Isopropyl Ether	3.58	45	24855	0.654	ug/l 99
32) Ethyl-t-butyl ether	4.07	59	20284	0.576	ug/l 97
33) Tert-Amyl methyl ether	5.59	73	14509	0.459	ug/l 96
34) Propionitrile	4.35	54	2545	2.550	ug/l # 86
35) Benzene	5.39	78	29444	0.501	ug/l 98
36) 1,2-Dichloroethane	5.41	62	8738	0.541	ug/l 98
37) Trichloroethene	6.18	130	7181	0.438	ug/l 99
38) 1,2-Dichloropropane	6.43	63	7987	0.526	ug/l 93
39) Methacrylonitrile	4.56	41	2123	0.478	ug/l # 69
40) Methyl acrylate	4.45	55	2549	0.377	ug/l # 88
41) Tetrahydrofuran	4.66	42	3440	1.426	ug/l # 67
42) 1-Chlorobutane	5.06	56	13144	0.486	ug/l 91

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 Misc : 25.0mL/MSVOA U/WATER
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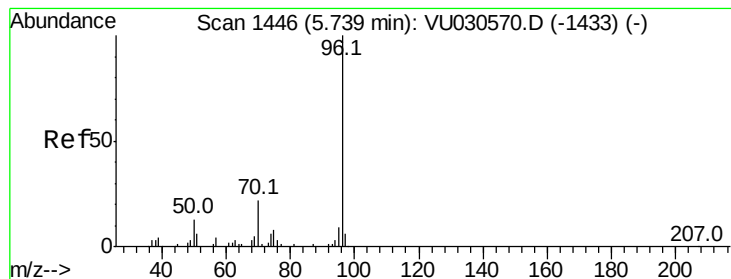
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
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Quant Time: Mar 31 01:05:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U033119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sun Mar 31 00:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	3800	0.494	ug/l	98
44) Bromodichloromethane	6.76	83	9987	0.537	ug/l	99
45) 4-Methyl-2-Pentanone	7.47	43	26348	3.248	ug/l	91
46) t-1,4-Dichloro-2-butene	10.52	75	3699	1.244	ug/l #	78
47) Methyl methacrylate	6.63	69	4802	0.737	ug/l #	90
48) Ethyl methacrylate	8.03	69	5101	0.417	ug/l	95 MMDadoda
49) Toluene	7.64	92	14803	0.424	ug/l	94
50) t-1,3-Dichloropropene	7.89	75	7001	0.423	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	9537	0.462	ug/l	93
52) 1,1,2-Trichloroethane	8.07	97	5094	0.473	ug/l	87
53) 1,3-Dichloropropane	8.25	76	9430	0.515	ug/l	96 4/5/2019 2:38:37 PM
54) 2-Hexanone	8.37	43	17506	3.026	ug/l	97
55) Dibromochloromethane	8.48	129	5692	0.444	ug/l	97
56) 1,2-Dibromoethane	8.59	107	4862	0.474	ug/l	90
58) Tetrachloroethene	8.22	164	6301	0.424	ug/l	91
59) Chlorobenzene	9.12	112	16068	0.406	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	6760	0.487	ug/l	89
61) Pentachloroethane	11.10	117	5202	0.482	ug/l	93
62) Hexachloroethane	12.14	117	4308	0.408	ug/l	95
63) Ethyl Benzene	9.25	91	28317	0.430	ug/l	99
64) m/p-Xylenes	9.37	106	18897	0.742	ug/l	96
65) o-Xylene	9.77	106	9376	0.376	ug/l	97
66) Styrene	9.79	104	14075	0.341	ug/l	96
67) Bromoform	9.96	173	3048	0.420	ug/l #	97
69) Isopropylbenzene	10.16	105	26325	0.401	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.46	83	7193	0.533	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	4821	0.493	ug/l #	77
72) Bromobenzene	10.45	156	6998	0.415	ug/l	94
73) n-propylbenzene	10.58	120	6064	0.330	ug/l	87
74) 2-Chlorotoluene	10.66	126	6163	0.381	ug/l	86
75) 1,3,5-Trimethylbenzene	10.77	105	20523	0.368	ug/l	96
76) 4-Chlorotoluene	10.78	126	6417	0.390	ug/l	100
77) tert-Butylbenzene	11.10	119	21488	0.396	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	20529	0.363	ug/l	90
79) sec-Butylbenzene	11.32	105	27125	0.373	ug/l	97
81) p-Isopropyltoluene	11.48	119	20416	0.339	ug/l	100
82) 1,3-Dichlorobenzene	11.42	146	14361	0.423	ug/l	100
83) 1,4-Dichlorobenzene	11.51	146	14935	0.437	ug/l	91
84) n-Butylbenzene	11.89	91	20609	0.364	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	13919	0.439	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.67	75	1070	0.551	ug/l #	77
87) 1,2,4-Trichlorobenzene	13.51	180	7462	0.336	ug/l	97
88) Hexachlorobutadiene	13.69	225	4924	0.401	ug/l	93
89) Naphthalene	13.75	128	16915	0.486	ug/l	95
90) 1,2,3-Trichlorobenzene	13.99	180	7450	0.368	ug/l	97

(#) = 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: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

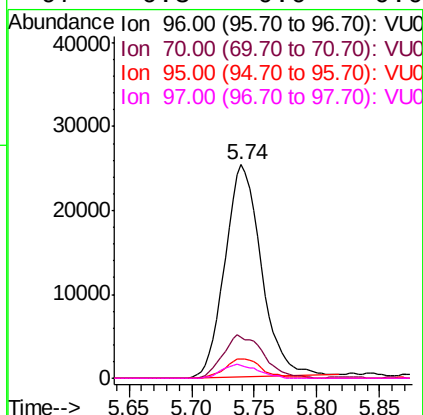
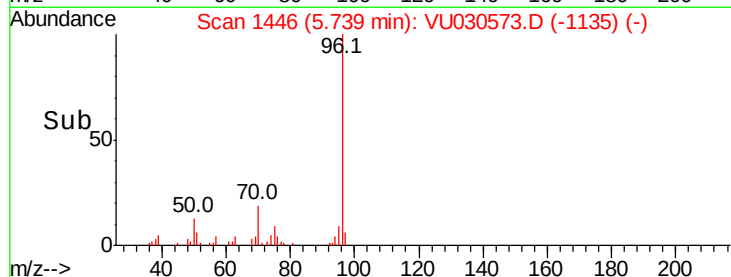
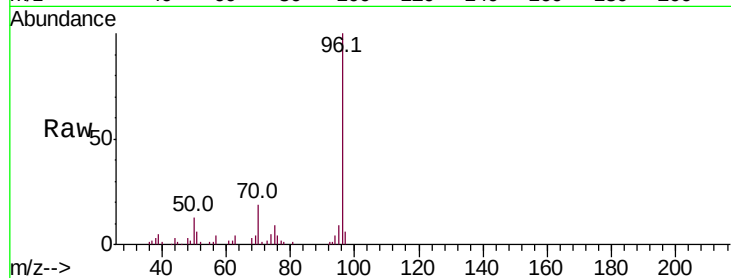
MSVOA_U

ClientSampleId :

VSTDIC0.5

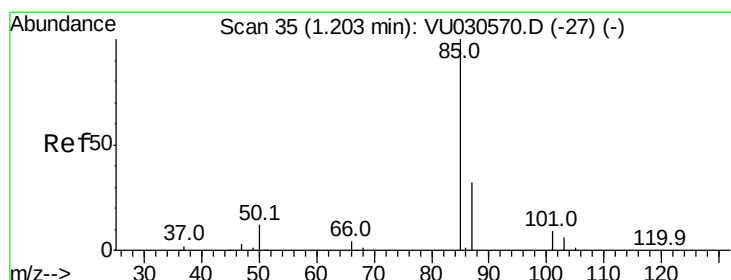
Tot Ion	96	Resp	50872
Ion	Ratio	Lower	Upper
96	100		
70	22.5	15.6	23.4
95	9.4	7.3	10.9
97	6.3	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.528 ug/l

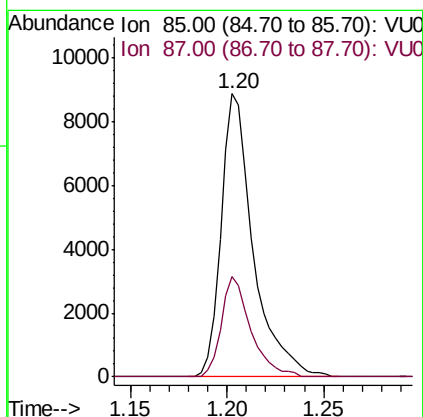
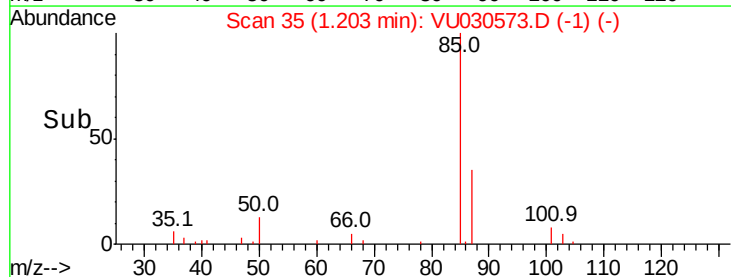
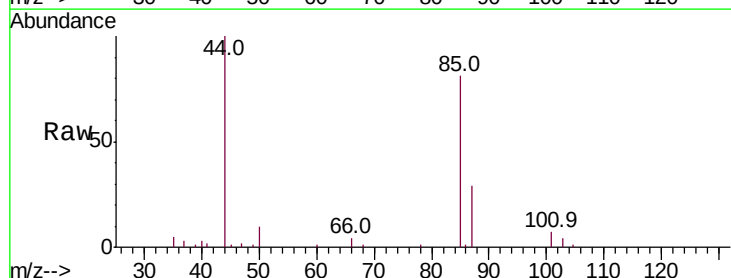
RT: 1.20 min Scan# 35

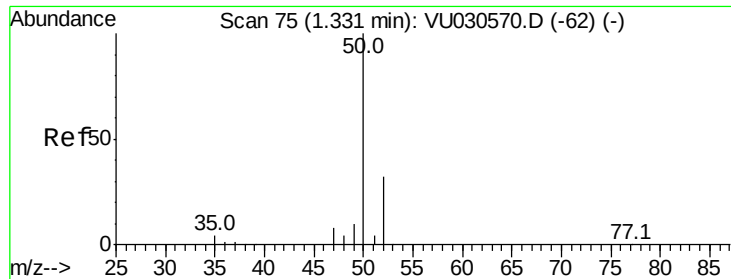
Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Tgt Ion	85	Resp	10216
Ion	Ratio	Lower	Upper
85	100		
87	35.2	15.9	47.6





#3

Chloromethane

Concen: 0.680 ug/l

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

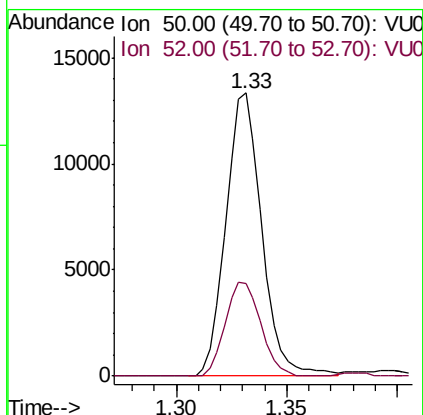
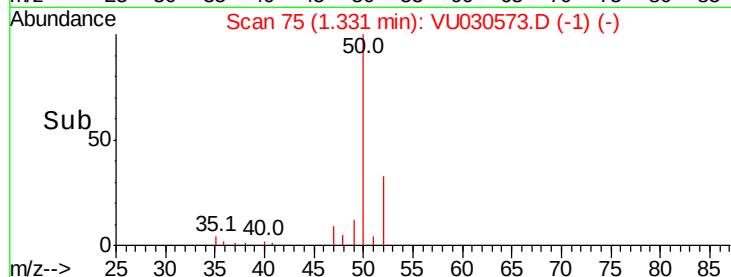
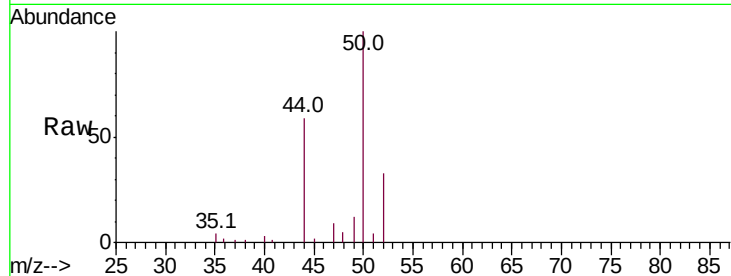
Tot Ion: 50 Resp: 15089

Ion Ratio Lower Upper

50 100

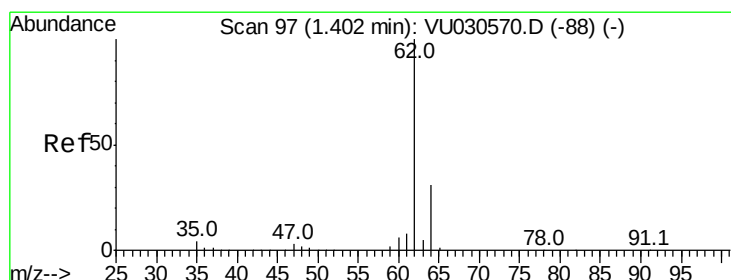
52 32.9 25.8 38.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 0.596 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU030573.D

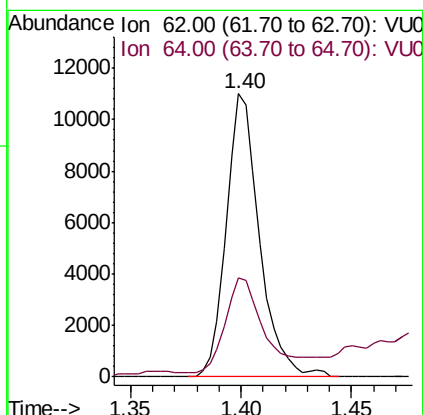
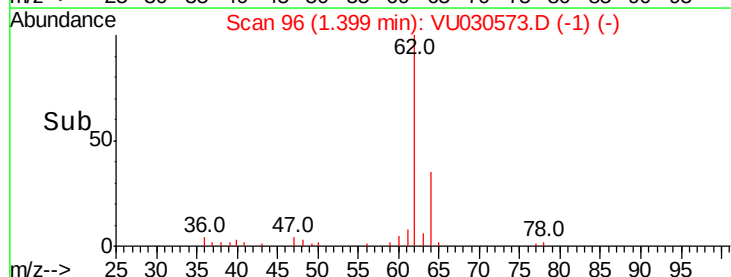
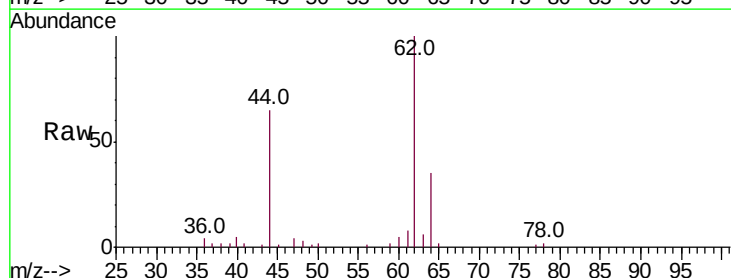
Acq: 30 Mar 2019 14:16

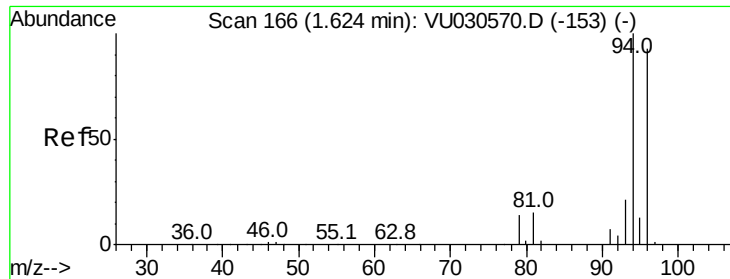
Tgt Ion: 62 Resp: 11481

Ion Ratio Lower Upper

62 100

64 33.3 25.1 37.7





#5

Bromomethane

Concen: 0.528 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

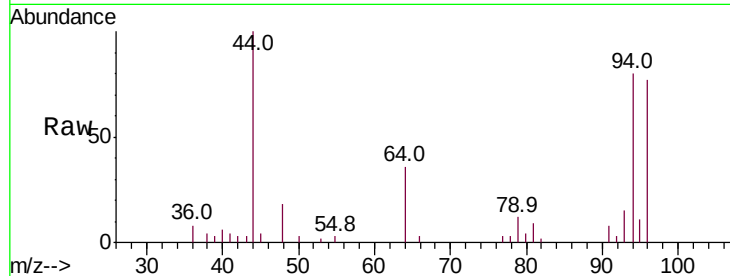
Tot Ion: 94 Resp: 5548

Ion Ratio Lower Upper

94 100

96 96.3 74.8 112.2

Manual Integrations
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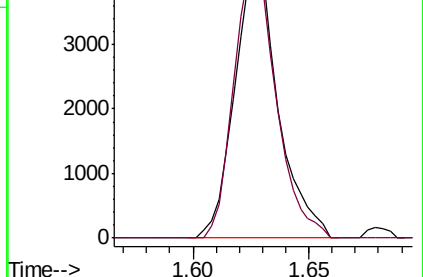
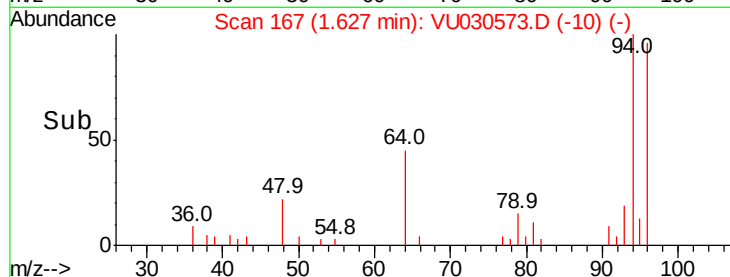


Abundance Ion 94.00 (93.70 to 94.70): VU030573.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU030573.D (-153) (-)

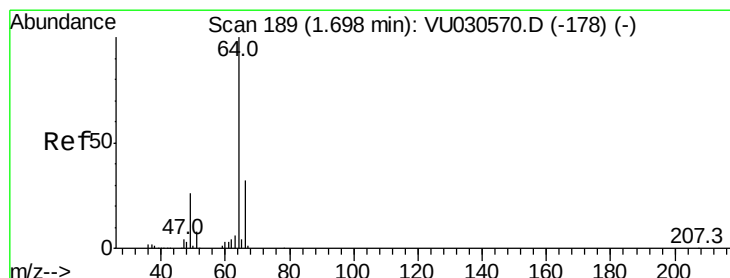
1.63

Time-->



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#6

Chloroethane

Concen: 0.679 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU030573.D

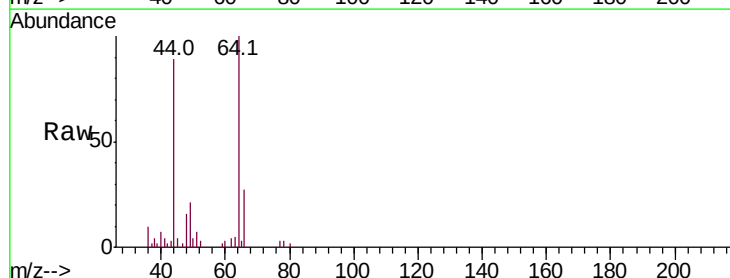
Acq: 30 Mar 2019 14:16

Tgt Ion: 64 Resp: 7488

Ion Ratio Lower Upper

64 100

66 32.6 25.5 38.3

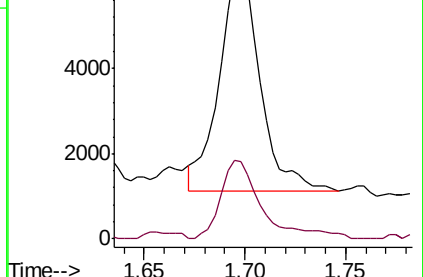
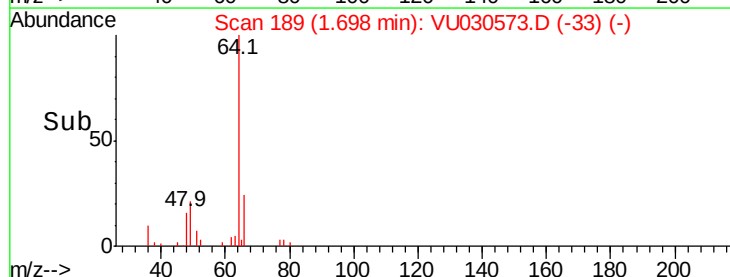


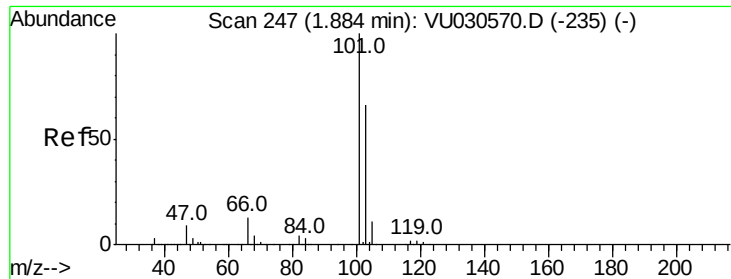
Abundance Ion 64.00 (63.70 to 64.70): VU030573.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU030573.D (-178) (-)

1.70

Time-->





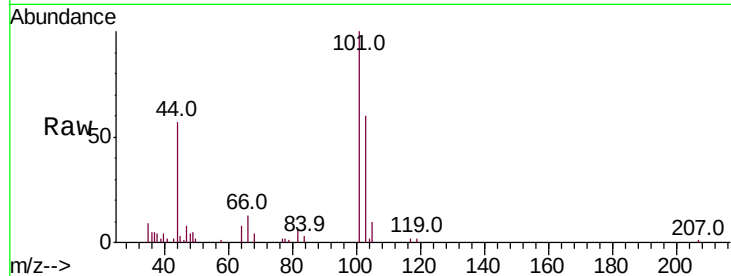
#7

Trichlorofluoromethane
Concen: 0.498 ug/l
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

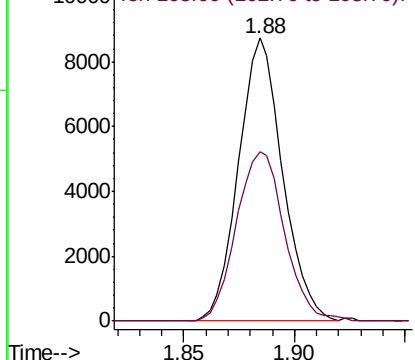
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.0	52.6	79.0

Manual Integrations
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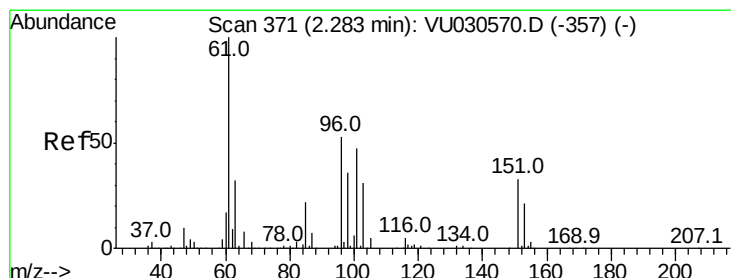
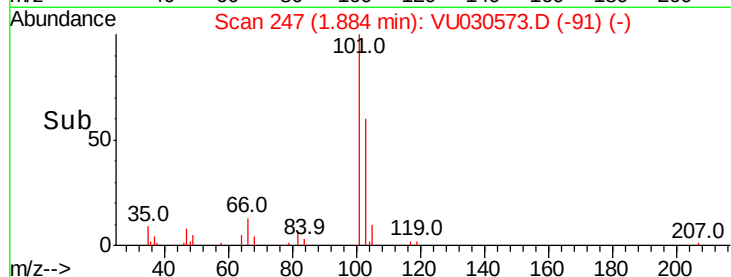


Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



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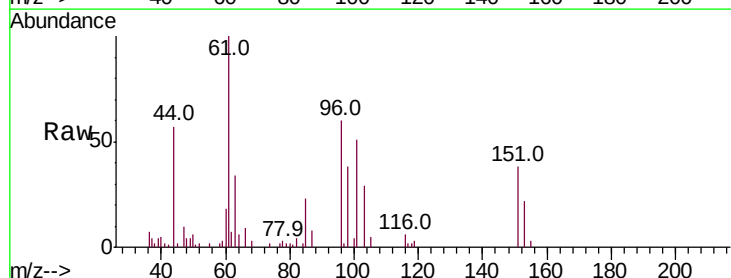
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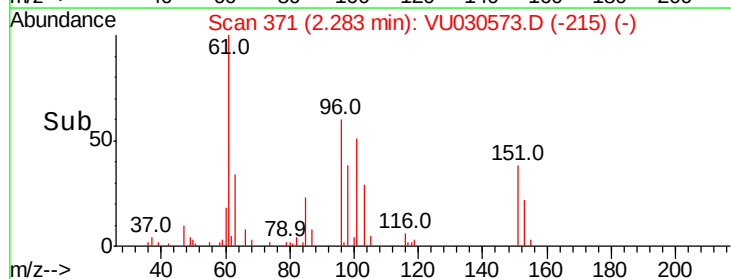
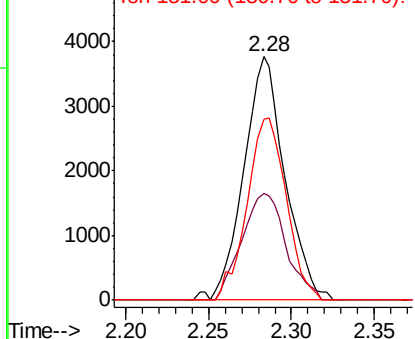
#8

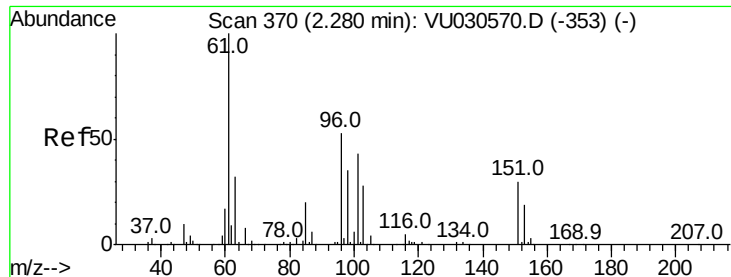
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.500 ug/l
RT: 2.28 min Scan# 371
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
101	100		
85	47.2	36.5	54.7
151	71.1	56.5	84.7



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





#9

1,1-Dichloroethene

Concen: 0.524 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

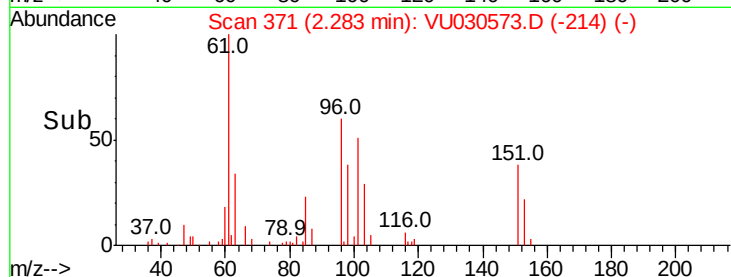
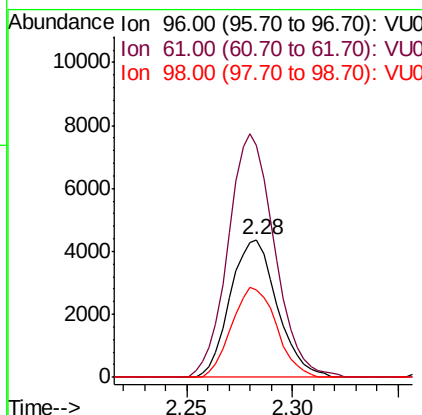
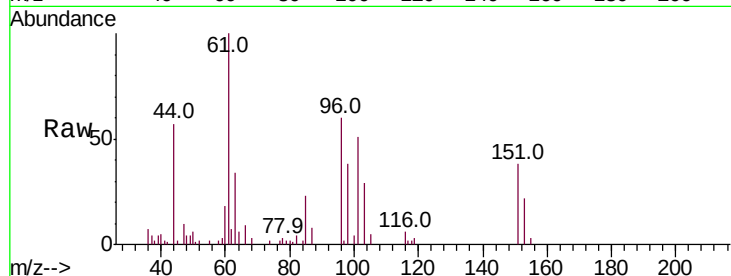
MSVOA_U

ClientSampleId :

VSTDIC0.5

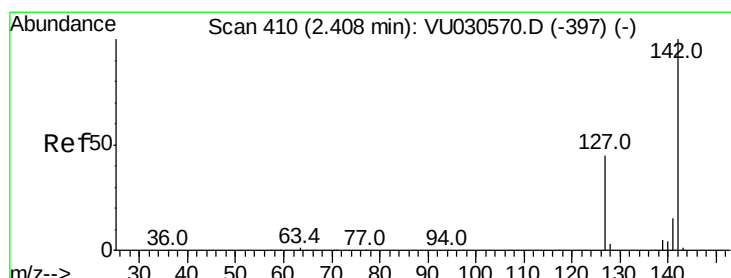
Tot Ion:	96	Resp:	6760
Ion	Ratio	Lower	Upper
96	100		
61	168.0	0.0	567.0
98	63.7	0.0	132.2

Manual Integrations
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#10

Iodomethane

Concen: 0.236 ug/l

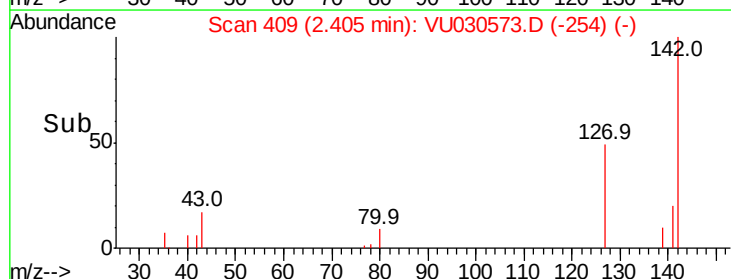
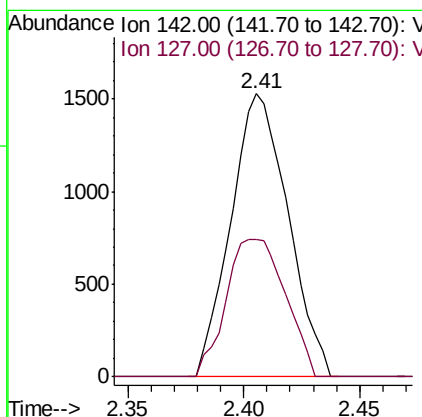
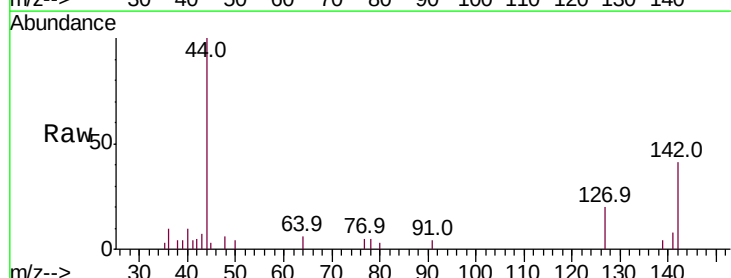
RT: 2.41 min Scan# 409

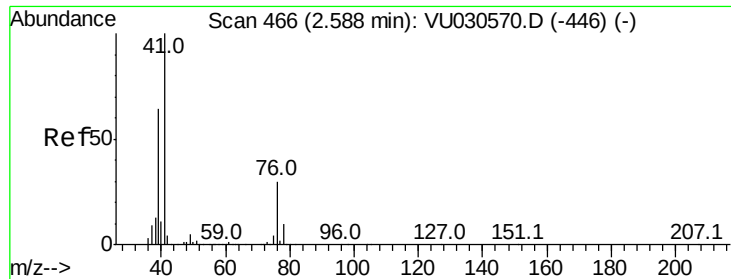
Delta R.T. -0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Tgt Ion:	142	Resp:	2617
Ion	Ratio	Lower	Upper
142	100		
127	50.2	36.8	55.2



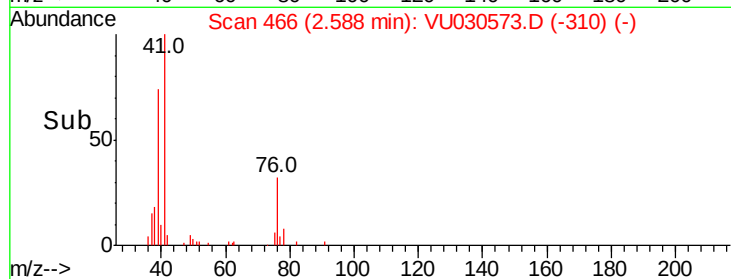
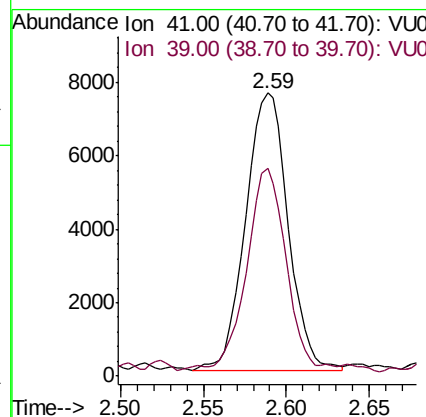
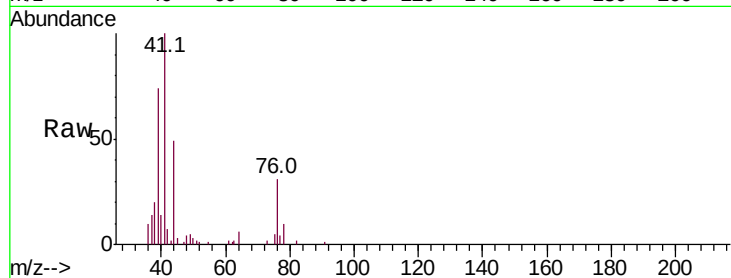


#11
Allvl Chloride
Concen: 0.668 ug/l
RT: 2.59 min Scan# 466
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

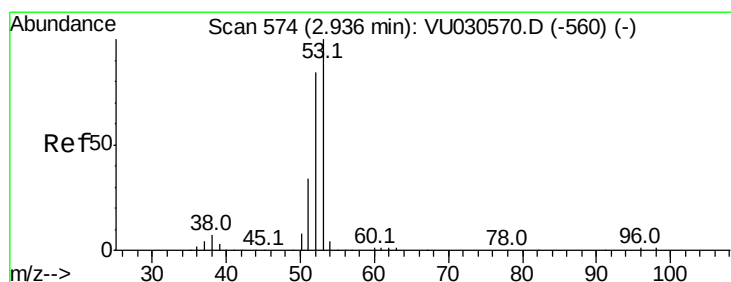
Tot Ion: 41 Resp: 13352
Ion Ratio Lower Upper
41 100
39 68.1 51.8 77.6

Manual Integrations
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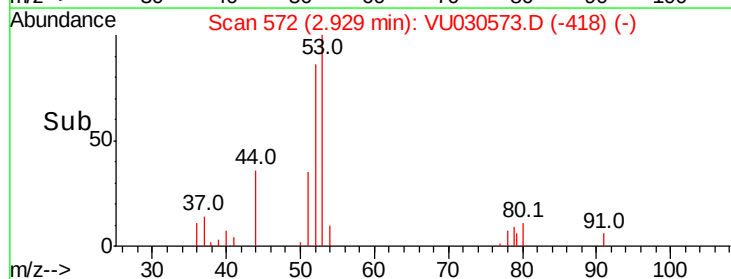
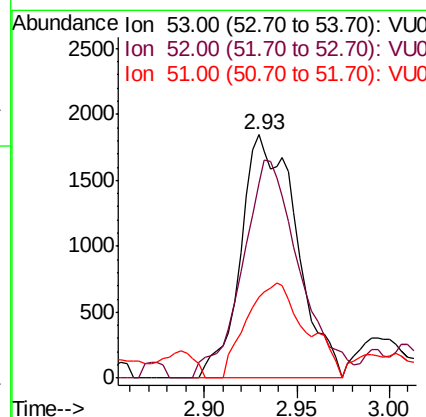
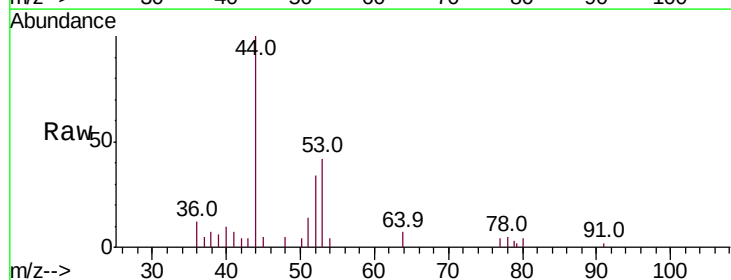
MM Dadoda

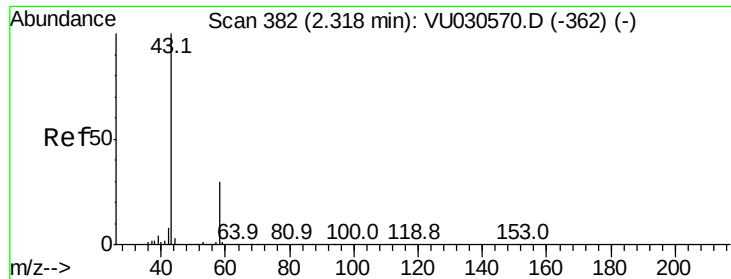
4/5/2019 2:38:37 PM



#12
Acrylonitrile
Concen: 1.320 ug/l
RT: 2.93 min Scan# 572
Delta R.T. -0.01 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tgt Ion: 53 Resp: 3873
Ion Ratio Lower Upper
53 100
52 91.3 69.1 103.7
51 41.4 27.9 41.9





#13

Acetone

Concen: 4.121 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

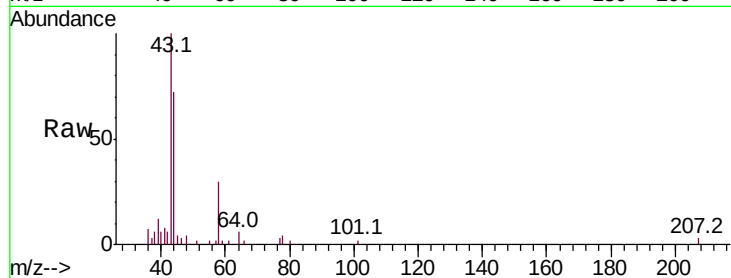
Tot Ion: 43 Resp: 10694

Ion Ratio Lower Upper

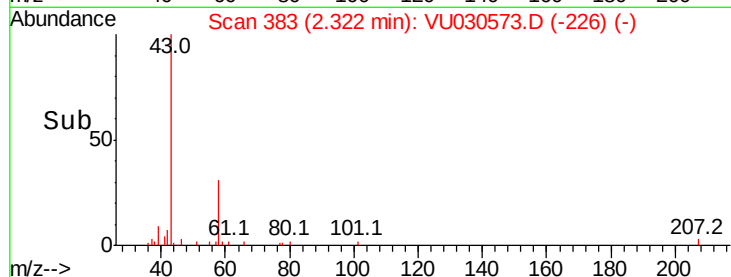
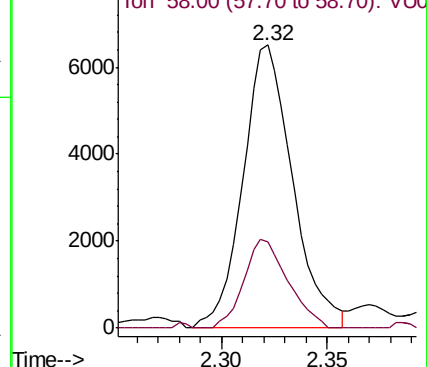
43 100

58 30.4 24.2 36.4

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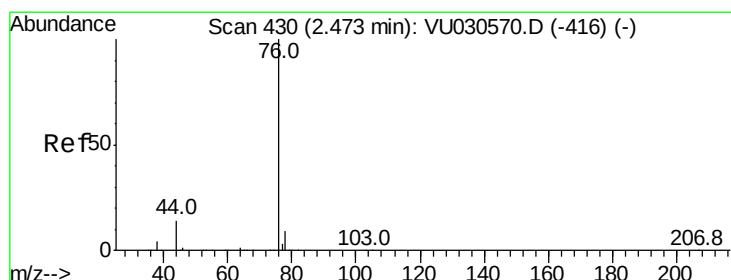


Abundance Ion 43.00 (42.70 to 43.70): VU030573.D (-362) (-)



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#14

Carbon Disulfide

Concen: 0.522 ug/l

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU030573.D

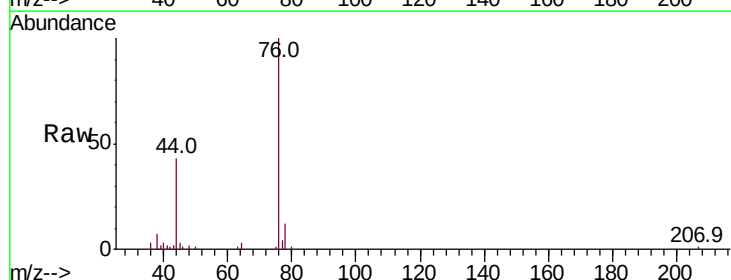
Acq: 30 Mar 2019 14:16

Tgt Ion: 76 Resp: 23666

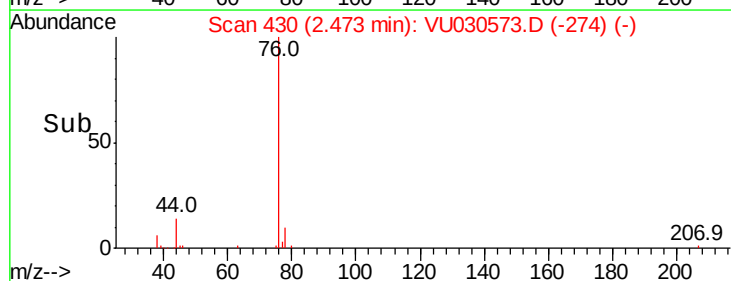
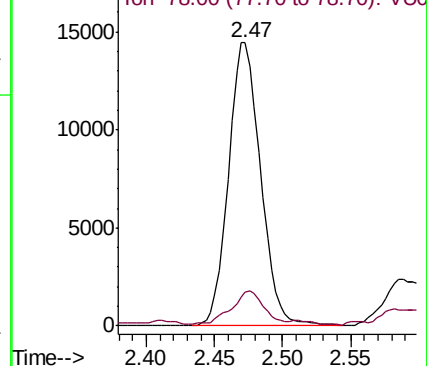
Ion Ratio Lower Upper

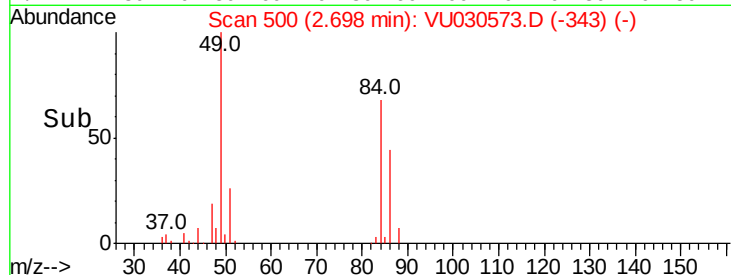
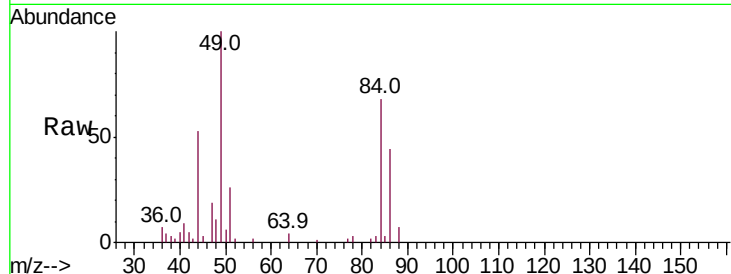
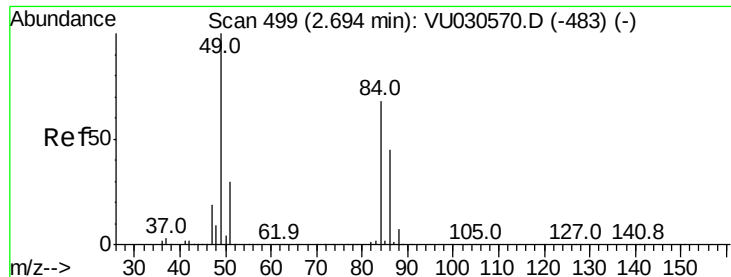
76 100

78 11.8 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VU030573.D (-416) (-)



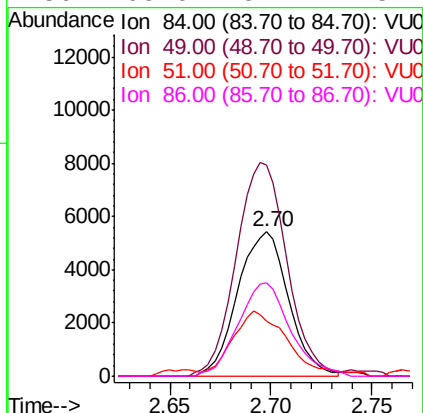


#15
Methylene Chloride
Concen: 0.619 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tot Ion:	84	Resp:	9579
Ion	Ratio	Lower	Upper
84	100		
49	146.7	117.0	175.6
51	34.7	0.0	88.6
86	65.0	52.2	78.2

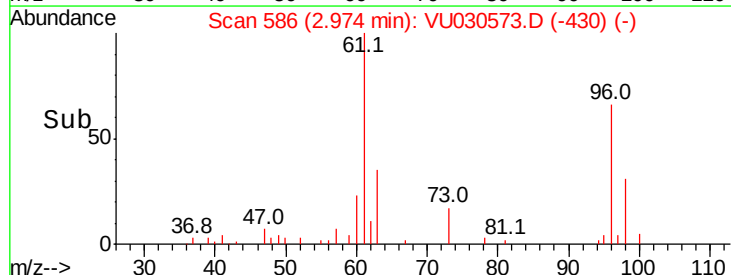
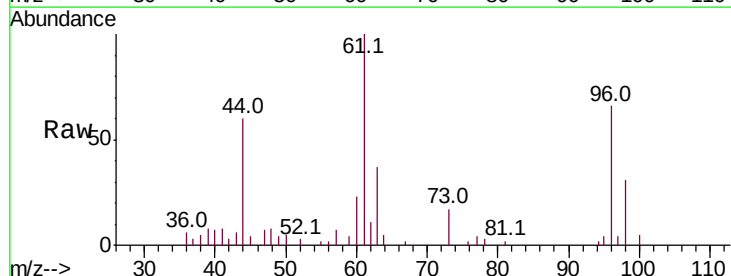
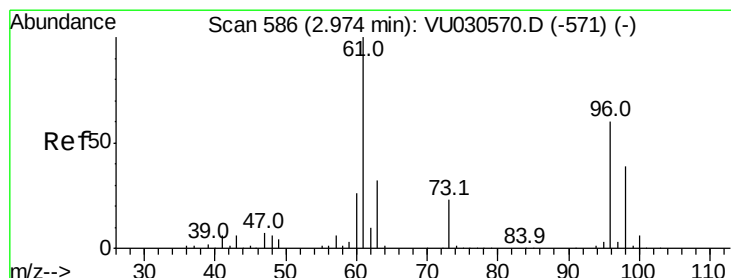
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Manual Integrations
APPROVED



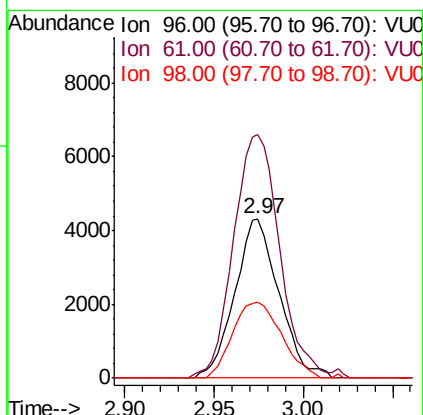
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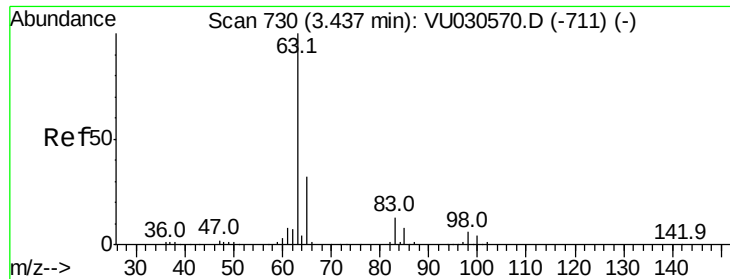
4/5/2019 2:38:37 PM



#16
trans-1,2-Dichloroethene
Concen: 0.504 ug/l
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tgt Ion:	96	Resp:	7471
Ion	Ratio	Lower	Upper
96	100		
61	152.4	132.3	198.5
98	47.4	51.3	76.9#



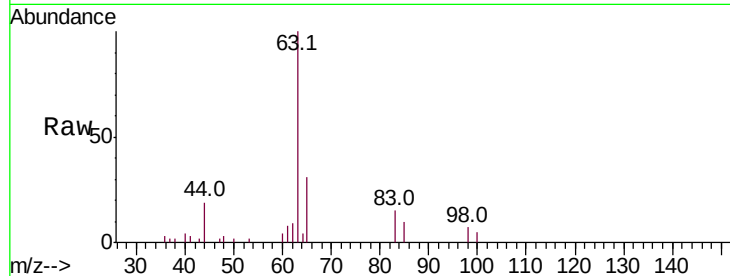


#17
 1,1-Dichloroethane
 Concen: 0.557 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

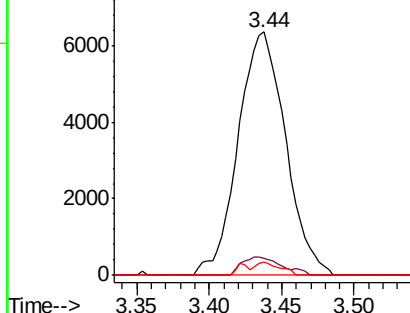
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.0	9.0
100	5.4	1.8	5.5

Manual Integrations
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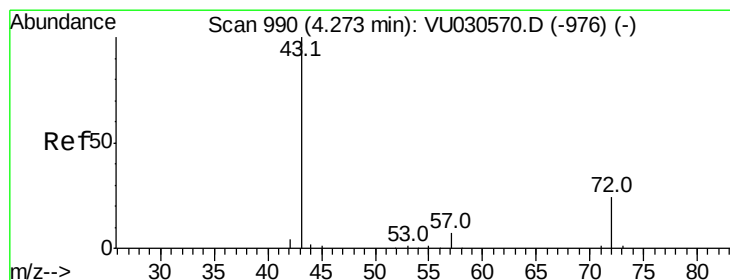
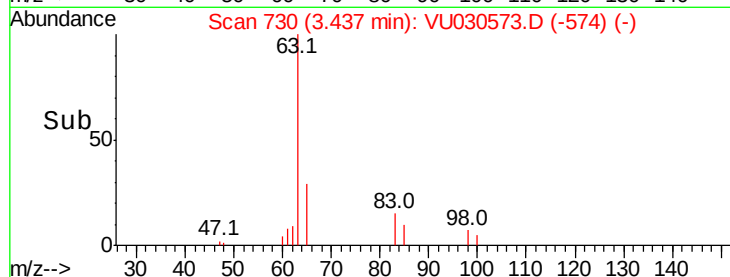


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0



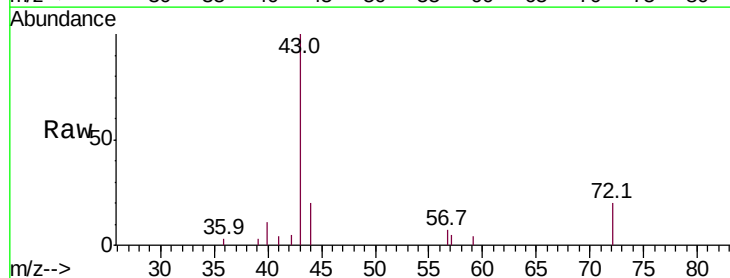
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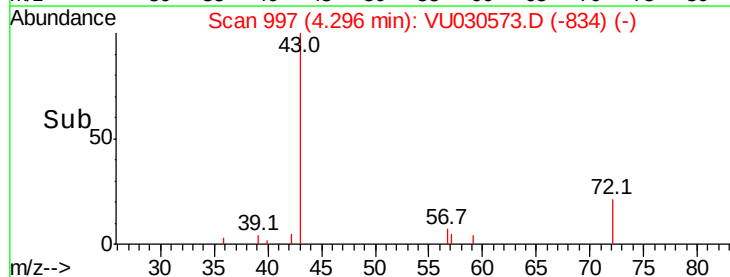
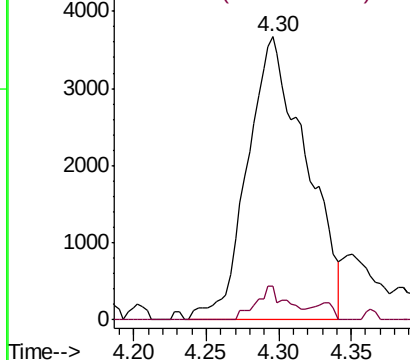


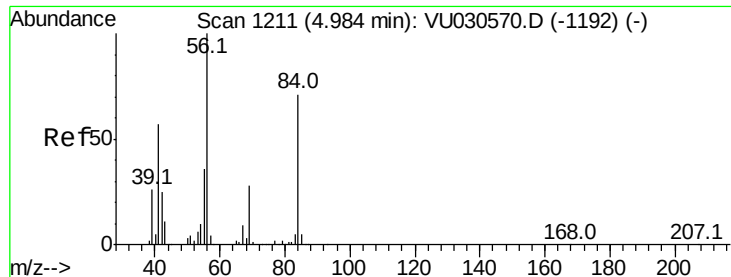
#18
 2-Butanone
 Concen: 2.858 ug/l
 RT: 4.30 min Scan# 997
 Delta R.T. 0.02 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
43	100		
57	11.7	0.0	14.4



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0



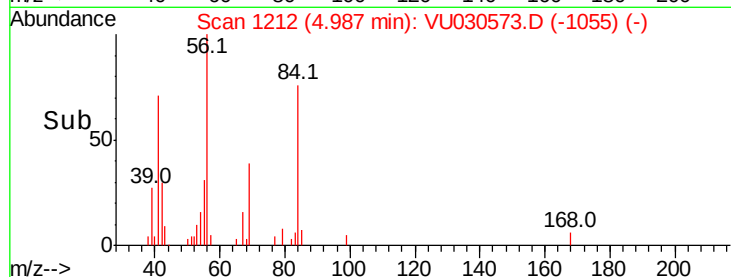
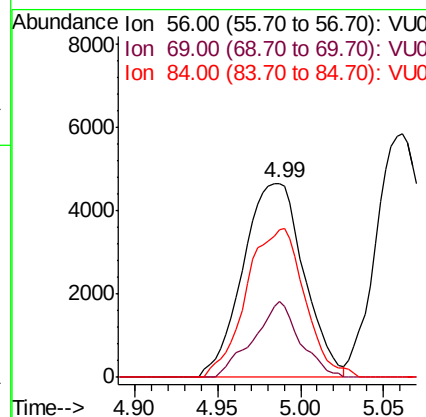
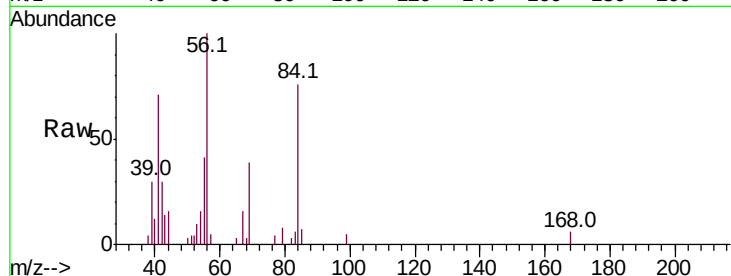


#19
Cyclohexane
Concen: 0.529 ug/l m
RT: 4.99 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

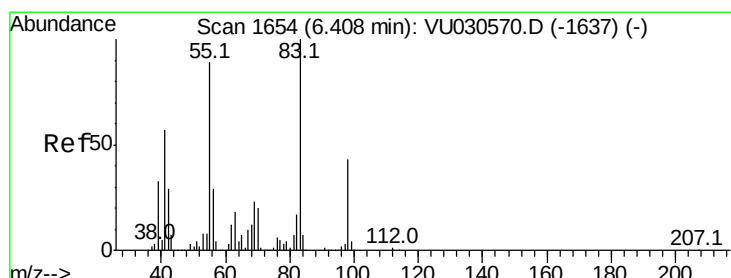
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.8	22.3	33.5
84	73.4	57.6	86.4

Manual Integrations
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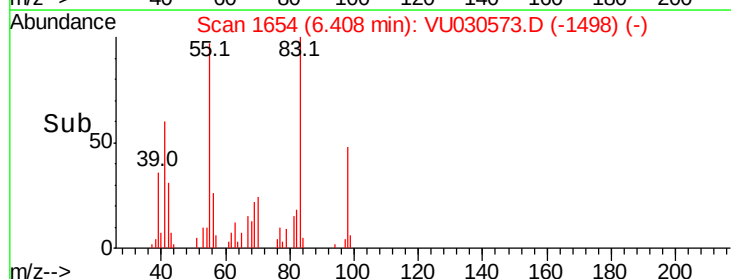
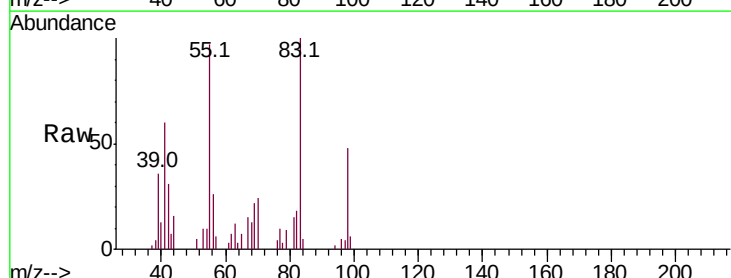
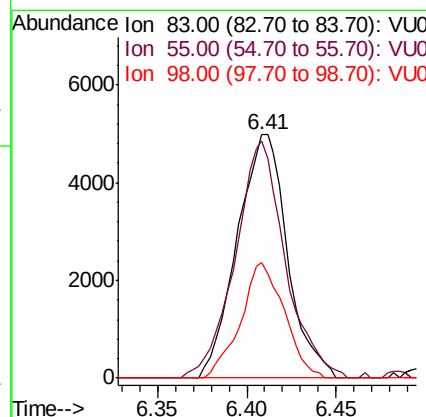
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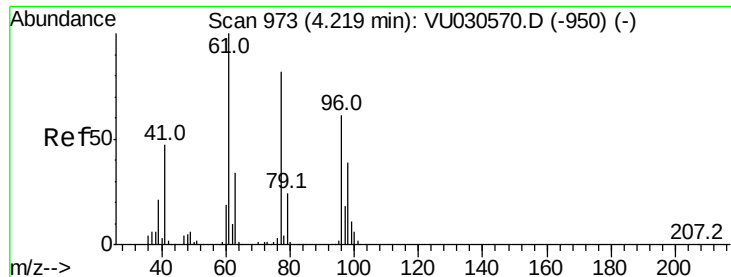
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#20
Methylcyclohexane
Concen: 0.414 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
83	100		
55	96.7	72.0	108.0
98	41.2	35.0	52.4





#21

2,2-Dichloropropane

Concen: 0.533 ug/l

RT: 4.22 min Scan# 972

Delta R.T. -0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

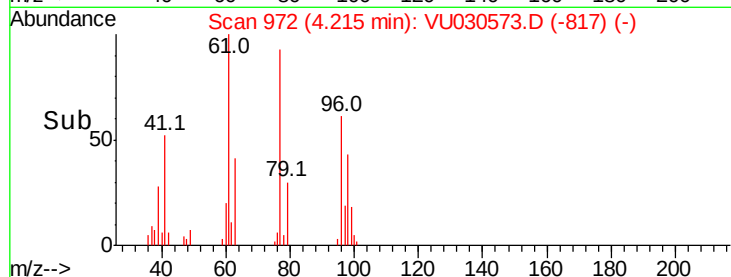
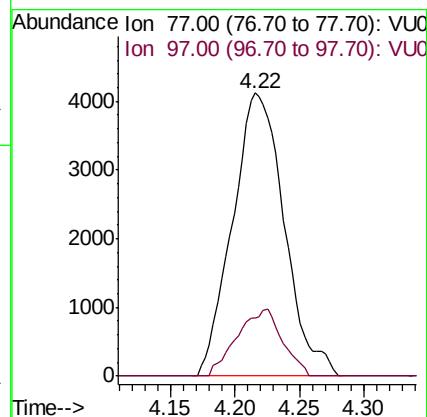
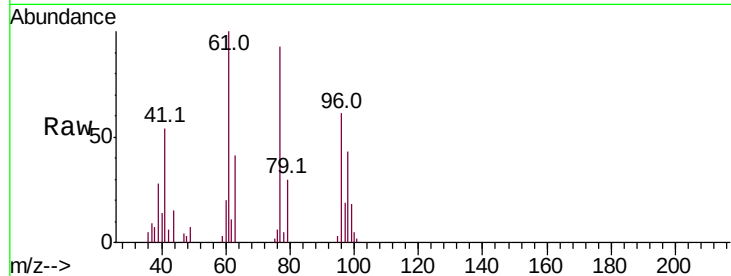
Tot Ion: 77 Resp: 11508

Ion Ratio Lower Upper

77 100

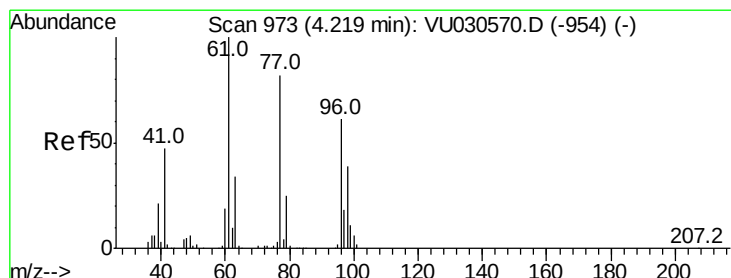
97 20.7 17.6 26.4

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 0.471 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

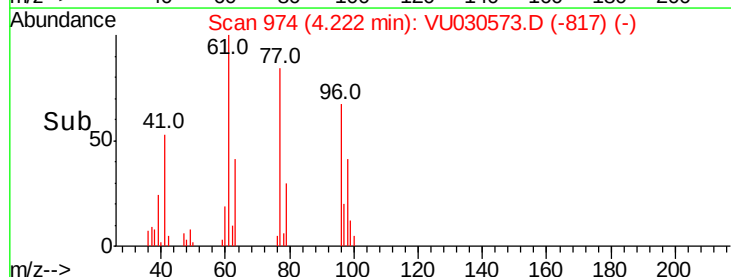
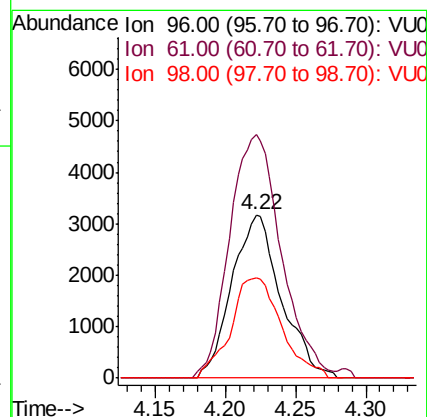
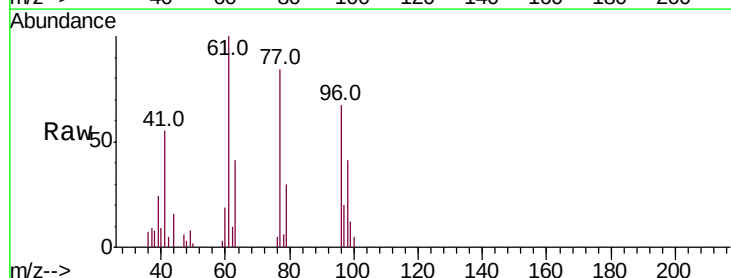
Tgt Ion: 96 Resp: 7736

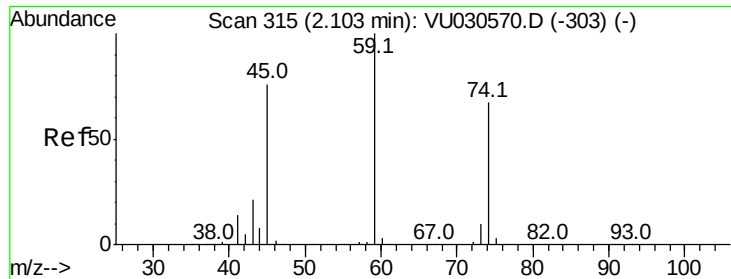
Ion Ratio Lower Upper

96 100

61 157.0 0.0 427.0

98 63.4 32.5 97.4



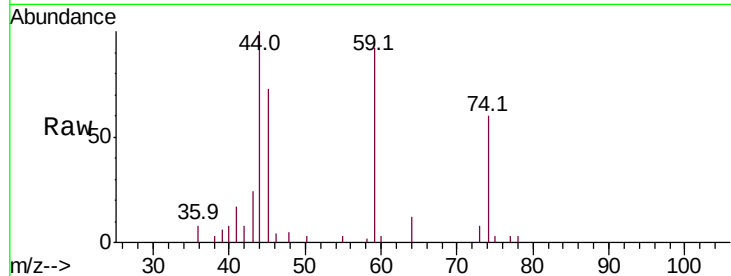


#23
Diethyl Ether
Concen: 0.629 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

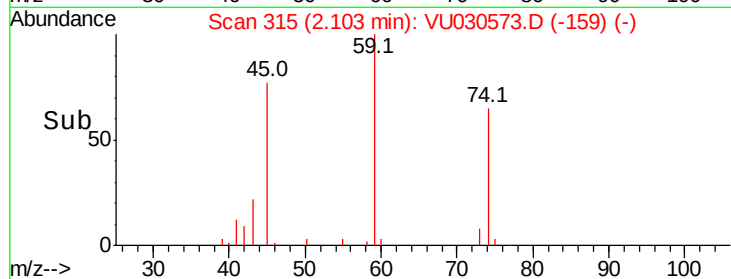
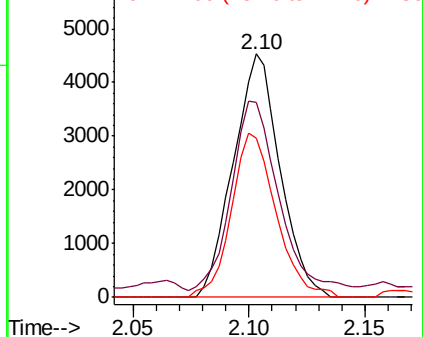
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
59	100		
45	77.6	61.6	92.4
74	64.4	53.2	79.8

Manual Integrations
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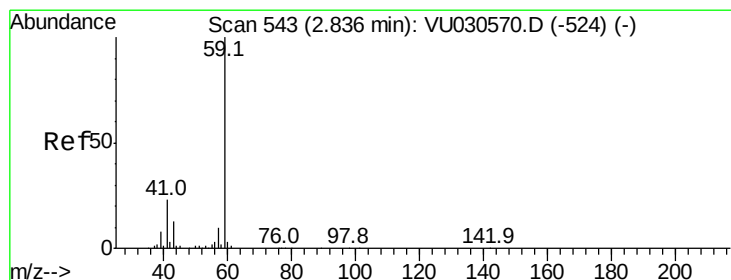


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0



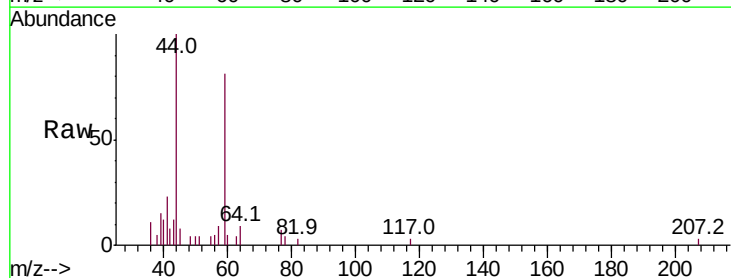
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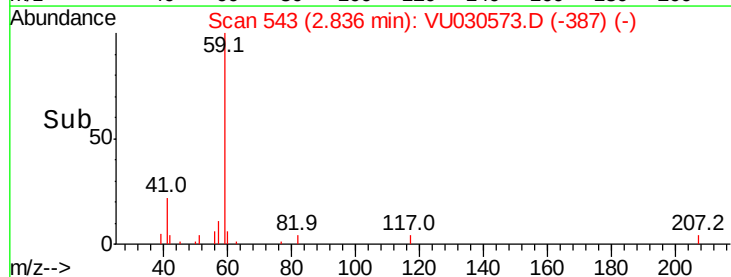
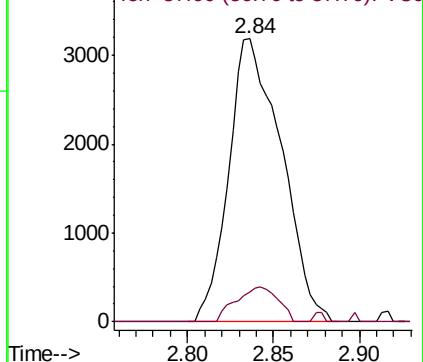


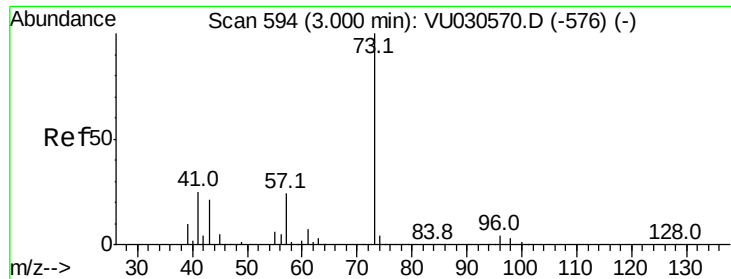
#24
tert-Butyl Alcohol
Concen: 6.294 ug/l
RT: 2.84 min Scan# 543
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.4	12.6



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





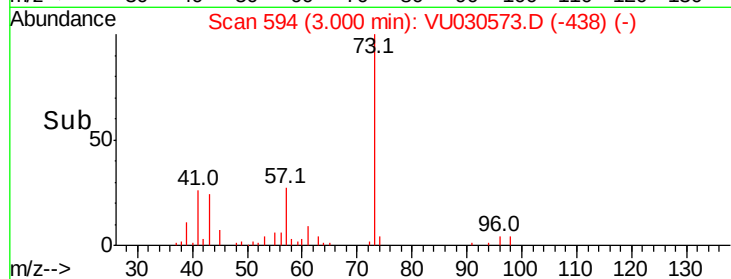
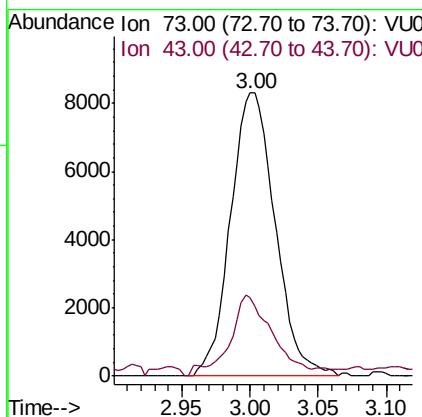
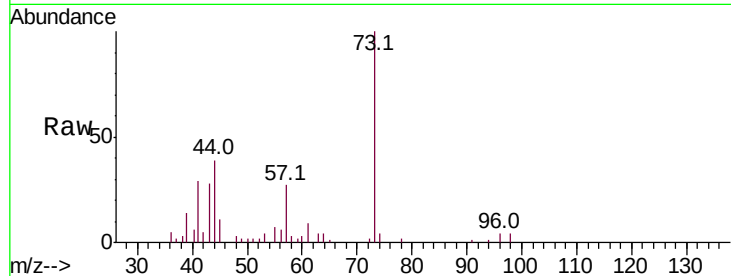
#25

Methyl tert-Butyl Ether
 Concen: 0.562 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

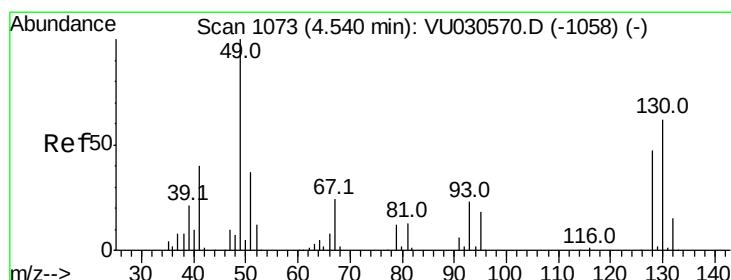
Tot Ion	73	Resp	18855
Ion Ratio	100	Lower	Upper
73	100		
43	22.5	16.6	24.8

Manual Integrations
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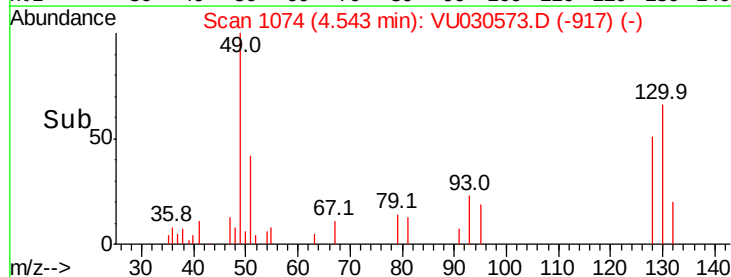
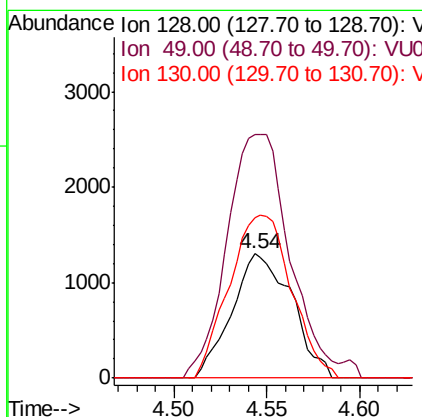
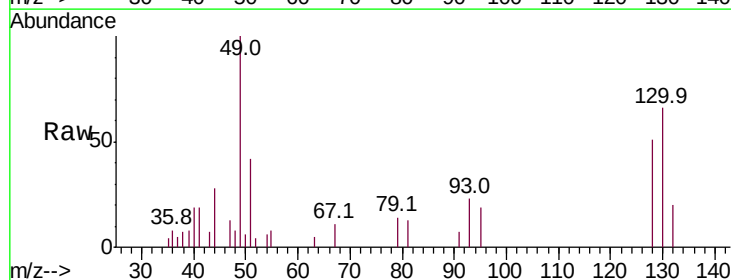
4/5/2019 2:38:37 PM

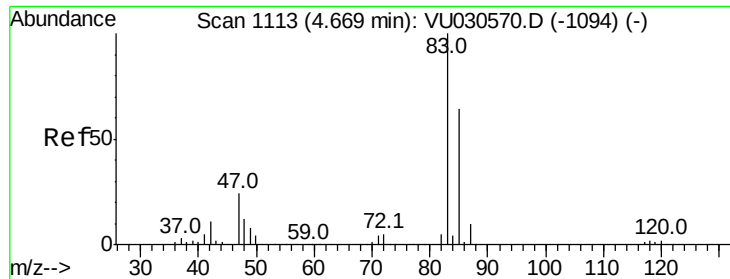


#26

Bromochloromethane
 Concen: 0.415 ug/l
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

Tgt Ion	128	Resp	2931
Ion Ratio	100	Lower	Upper
128	100		
49	204.2	0.0	418.2
130	136.0	103.4	155.0



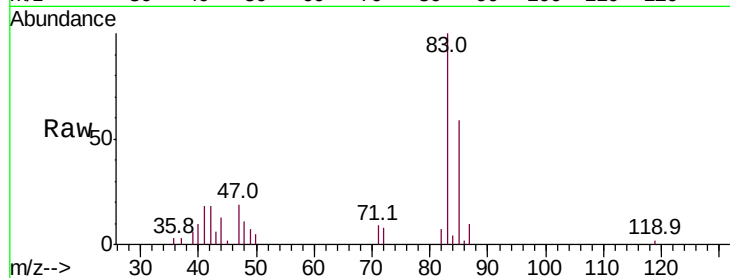


#27
Chloroform
Concen: 0.487 ug/l
RT: 4.66 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

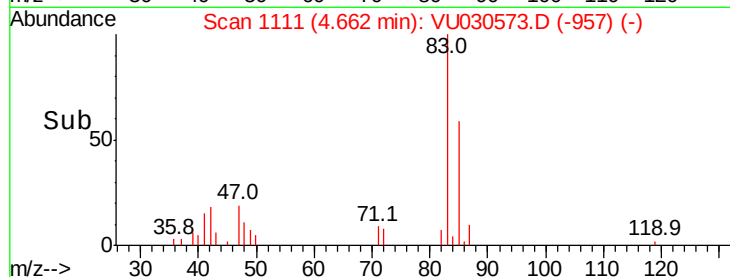
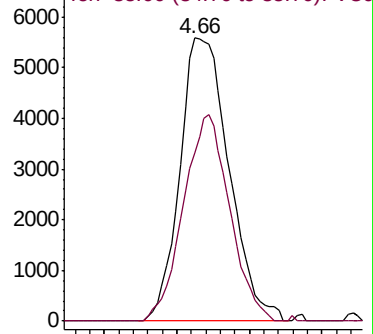
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	83	85	Ratio	100	59.3	Resp	13143	Lower	Upper

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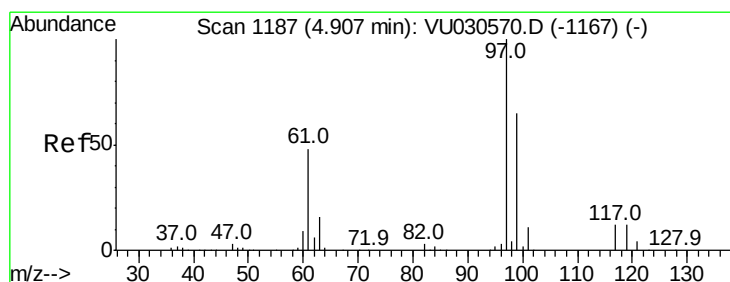


Abundance Ion 83.00 (82.70 to 83.70): VU030573.D (-1094) (-)



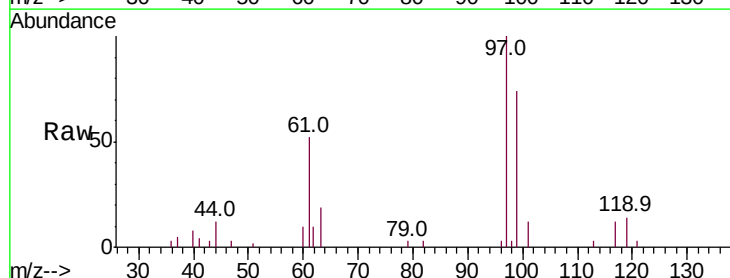
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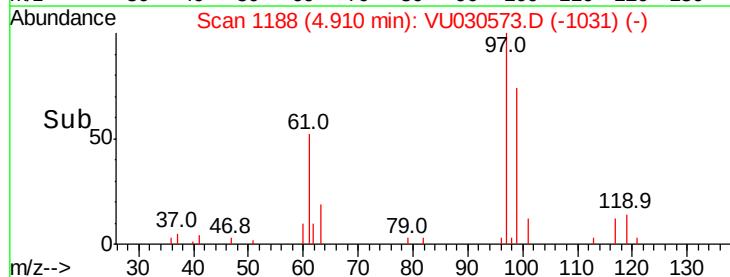
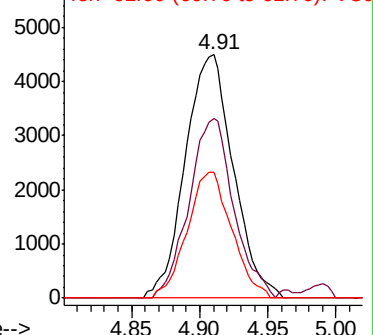


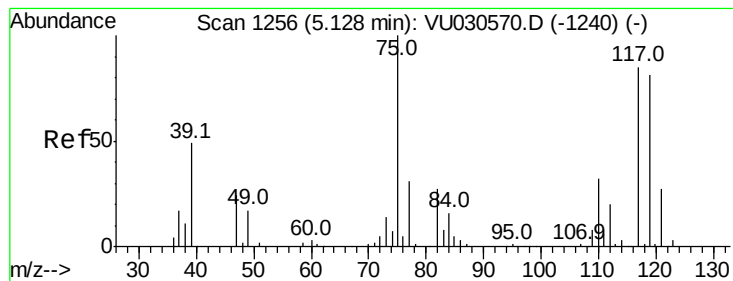
#28
1,1,1-Trichloroethane
Concen: 0.500 ug/l
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tgt Ion	97	99	61	Ratio	100	68.5	47.9	Resp	11019	Lower	Upper



Abundance Ion 97.00 (96.70 to 97.70): VU030573.D (-1167) (-)





#29

1,1-Dichloropropene

Concen: 0.506 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

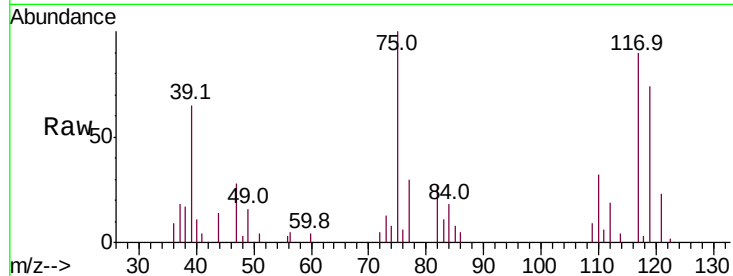
MSVOA_U

ClientSampled :

VSTDIC0.5

Tot Ion:	75	Resp:	10125
Ion Ratio	Lower	Upper	
75	100		
110	28.5	16.0	48.0
77	31.2	24.8	37.2

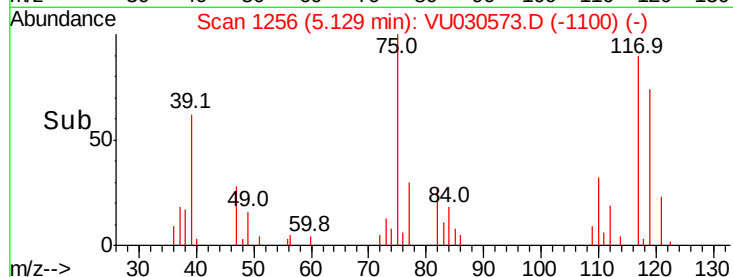
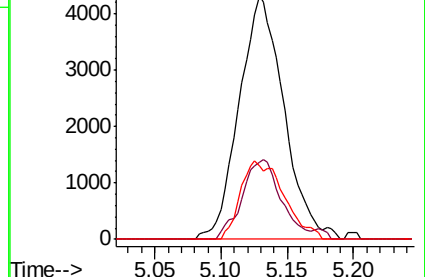
Manual Integrations
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Abundance Ion 75.00 (74.70 to 75.70): VU030573.D (-1240) (-)

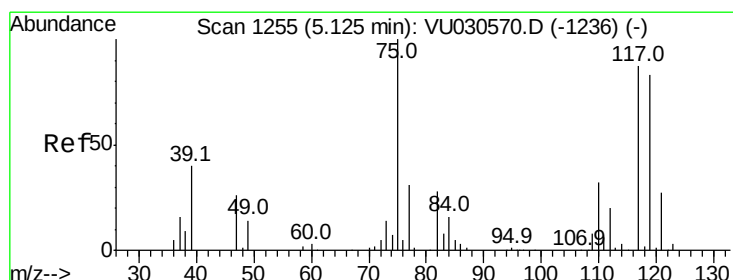
Ion 110.00 (109.70 to 110.70): VU030573.D (-1240) (-)

Ion 77.00 (76.70 to 77.70): VU030573.D (-1240) (-)



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#30

Carbon Tetrachloride

Concen: 0.475 ug/l

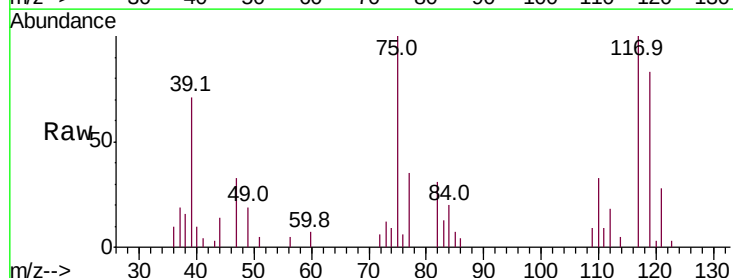
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

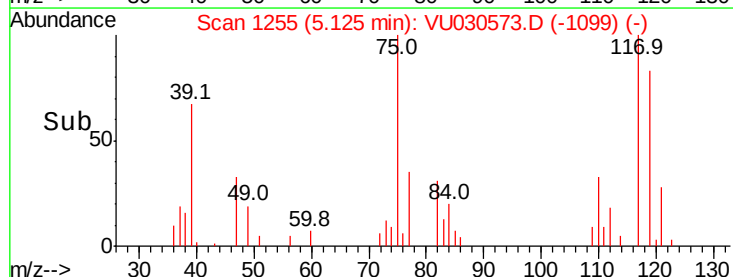
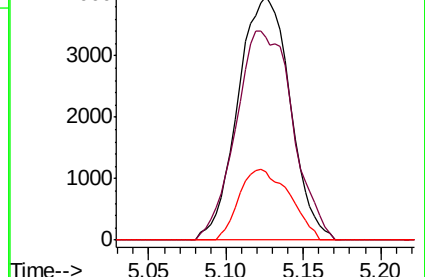
Tgt Ion:	117	Resp:	9266
Ion Ratio	Lower	Upper	
117	100		
119	83.0	76.4	114.6
121	27.9	24.7	37.1

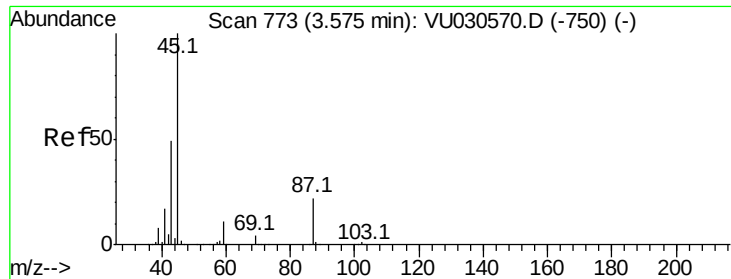


Abundance Ion 117.00 (116.70 to 117.70): VU030573.D (-1099) (-)

Ion 119.00 (118.70 to 119.70): VU030573.D (-1099) (-)

Ion 121.00 (120.70 to 121.70): VU030573.D (-1099) (-)





#31

Isopropyl Ether

Concen: 0.654 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Tot Ion: 45 Resp: 24855

Ion Ratio Lower Upper

45 100

43 50.9 25.0 75.0

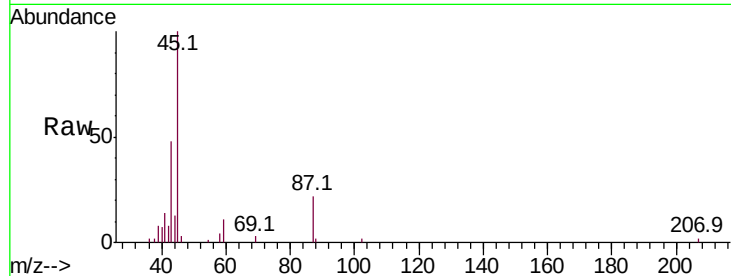
Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

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Abundance Ion 45.00 (44.70 to 45.70): VU030570.D (-750) (-)

Ion 43.00 (42.70 to 43.70): VU030570.D (-750) (-)

3.58

10000

8000

6000

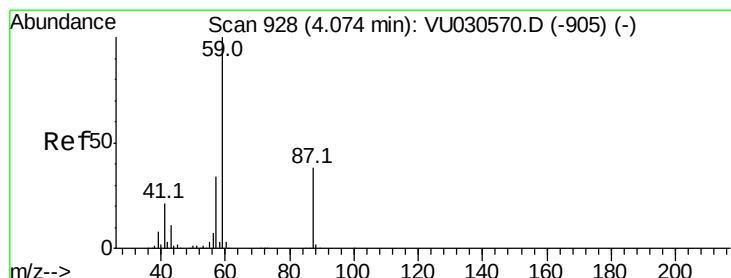
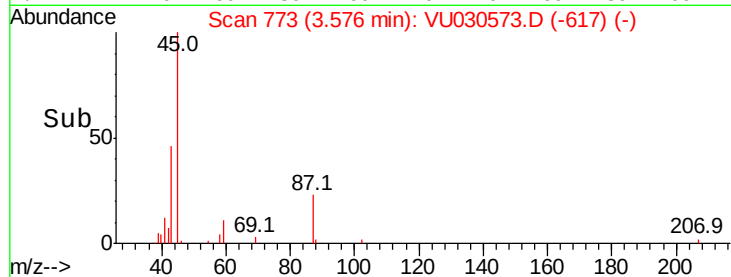
4000

2000

0

Time-->

3.50 3.55 3.60 3.65



#32

Ethyl-t-butyl ether

Concen: 0.576 ug/l

RT: 4.07 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU030573.D

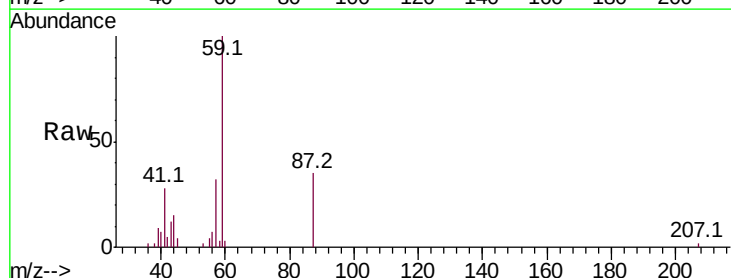
Acq: 30 Mar 2019 14:16

Tgt Ion: 59 Resp: 20284

Ion Ratio Lower Upper

59 100

87 35.7 30.1 45.1



Abundance Ion 59.00 (58.70 to 59.70): VU030570.D (-905) (-)

Ion 87.00 (86.70 to 87.70): VU030570.D (-905) (-)

4.07

8000

6000

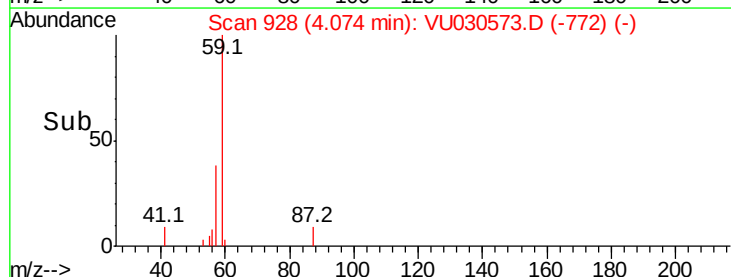
4000

2000

0

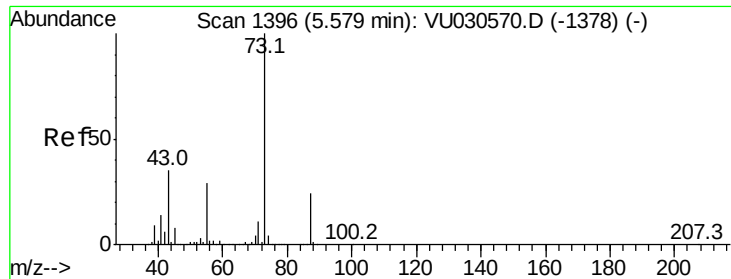
Time-->

4.00 4.10 4.20



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#33

Tert-Amvl methvl ether

Concen: 0.459 ug/l

RT: 5.59 min Scan# 1398

Delta R.T. 0.01 min

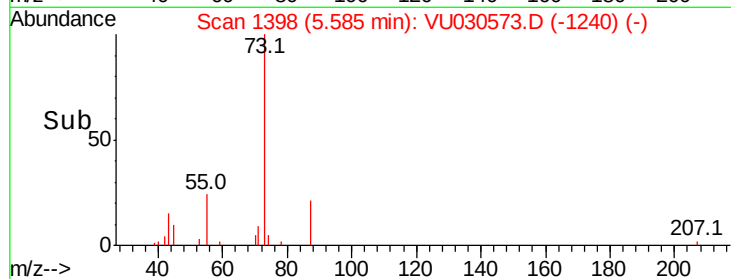
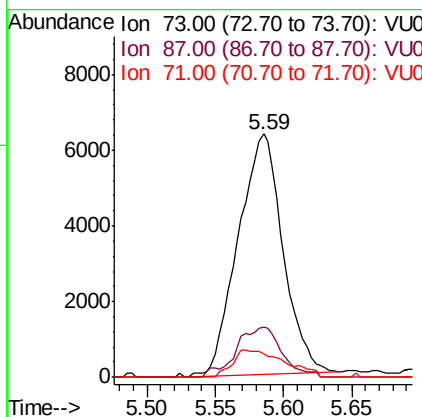
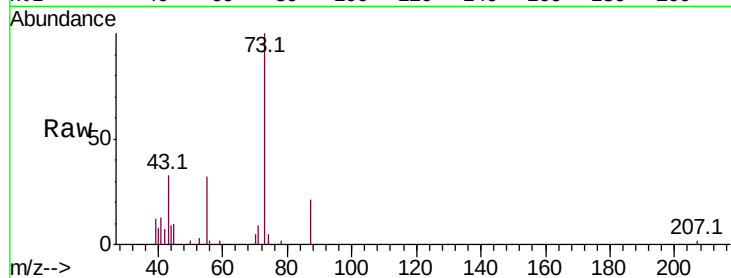
Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

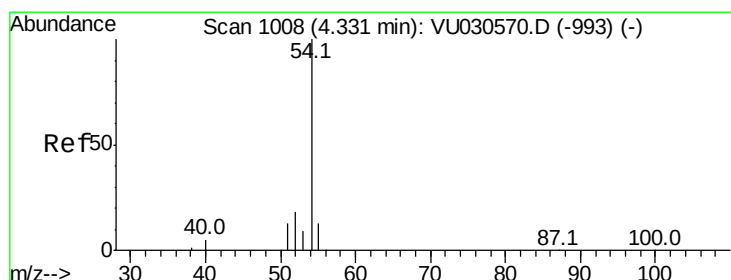
Tot Ion	Ratio	Lower	Upper
73	100		
87	21.3	18.6	27.8
71	13.1	9.0	13.4

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#34

Propionitrile

Concen: 2.550 ug/l

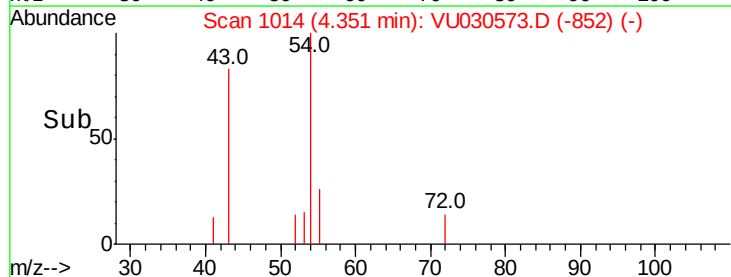
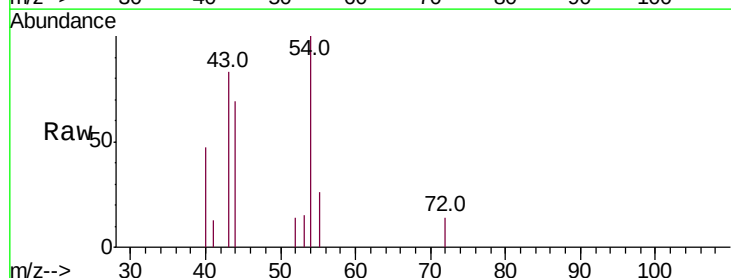
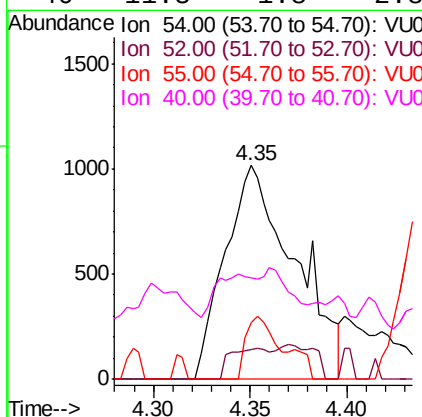
RT: 4.35 min Scan# 1014

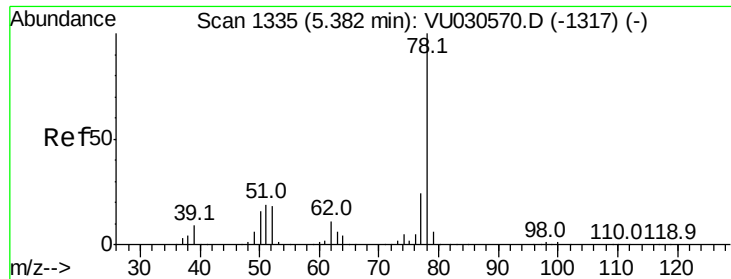
Delta R.T. 0.02 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
54	100		
52	8.0	14.1	21.1#
55	12.6	10.4	15.6
40	11.3	1.8	2.8#





#35

Benzene

Concen: 0.501 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

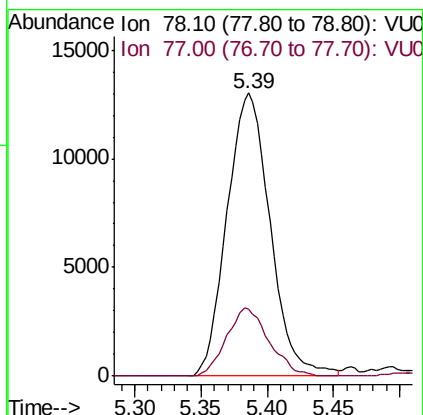
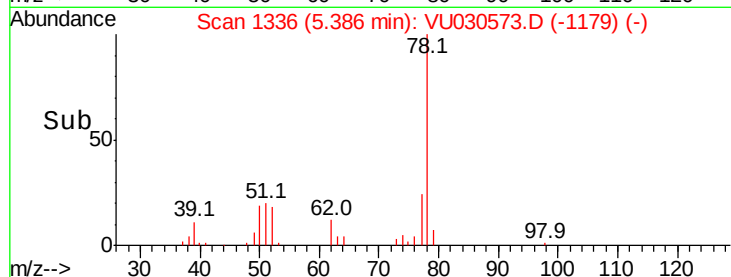
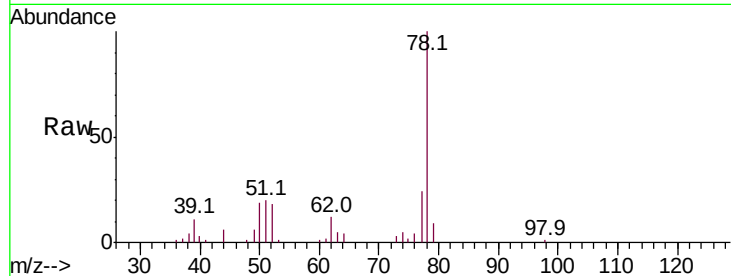
Tot Ion: 78 Resp: 29444

Ion Ratio Lower Upper

78 100

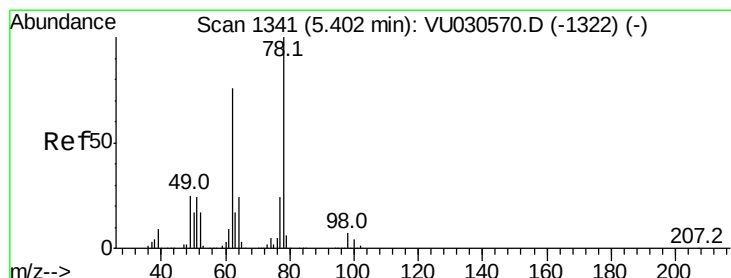
77 23.6 19.5 29.3

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#36

1,2-Dichloroethane

Concen: 0.541 ug/l

RT: 5.41 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU030573.D

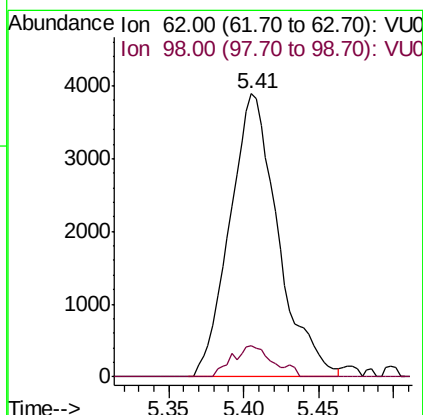
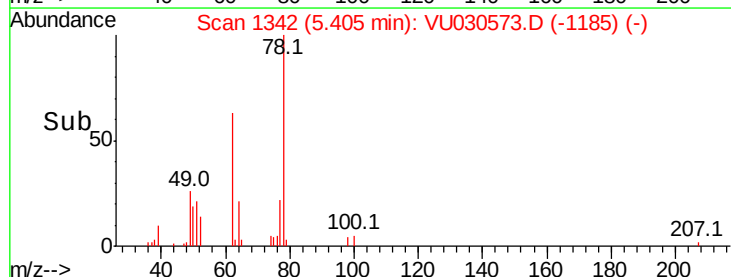
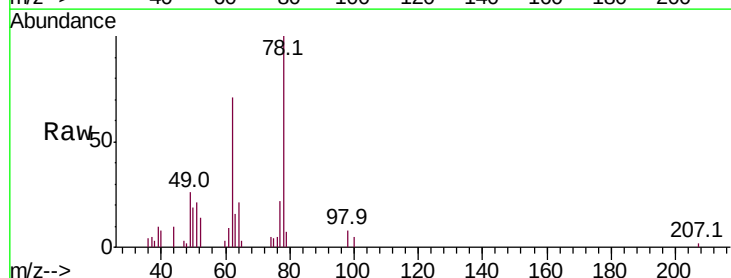
Acq: 30 Mar 2019 14:16

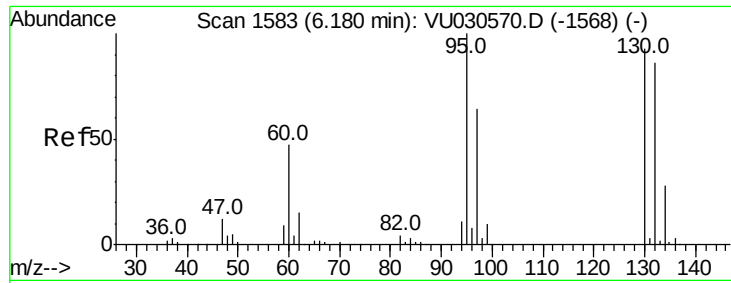
Tgt Ion: 62 Resp: 8738

Ion Ratio Lower Upper

62 100

98 9.1 6.8 10.2



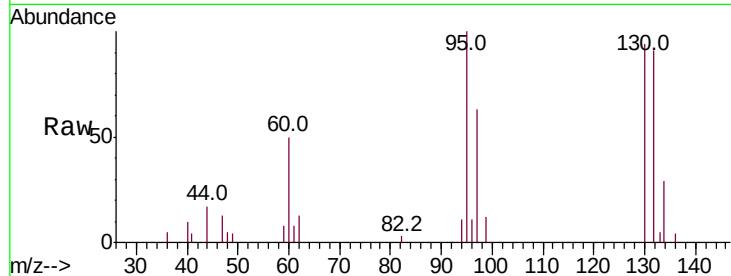


#37
 Trichloroethene
 Concen: 0.438 ug/l
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

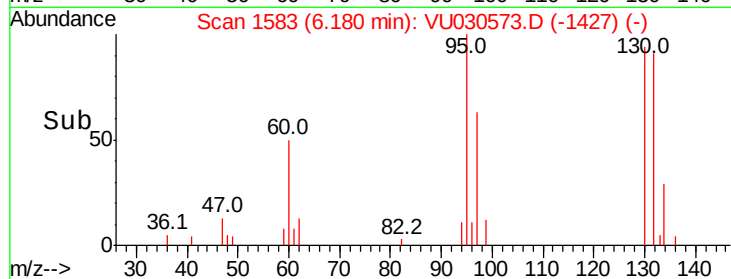
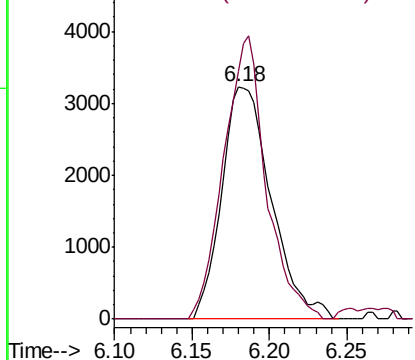
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:130 Resp: 7181
 Ion Ratio Lower Upper
 130 100
 95 106.7 85.8 128.8

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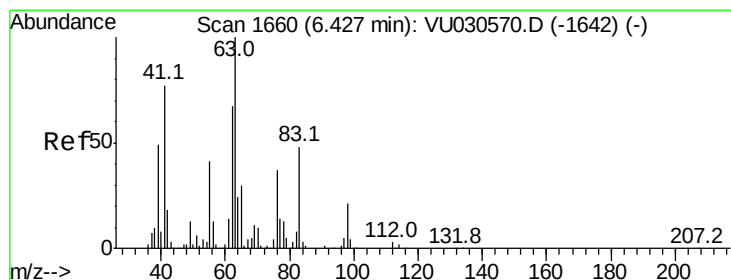


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VU0



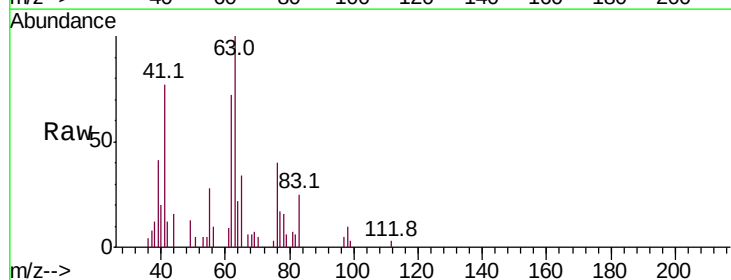
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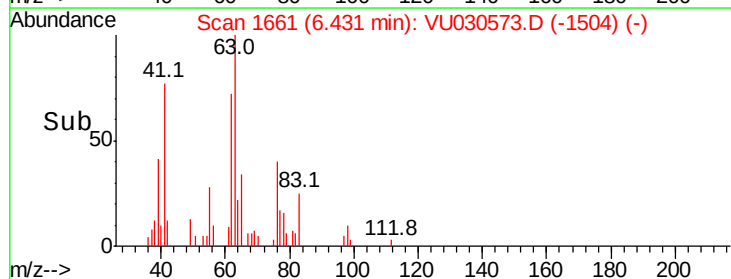
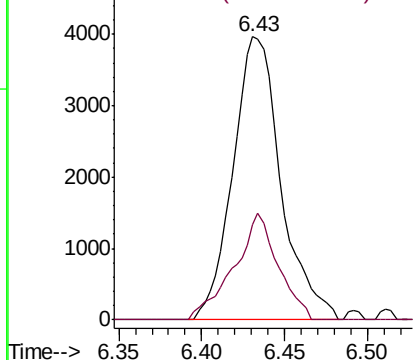


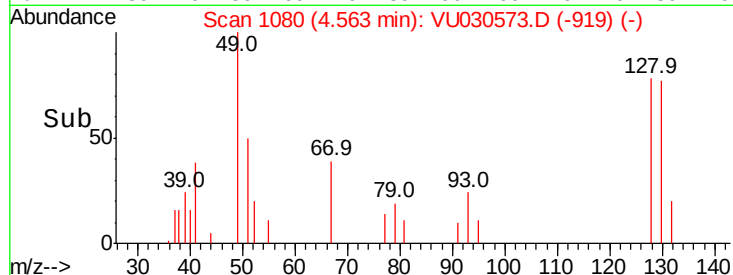
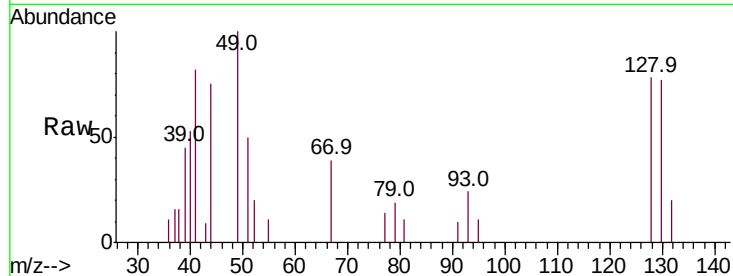
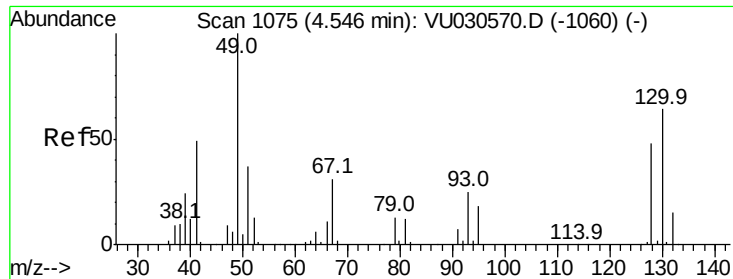
#38
 1,2-Dichloropropane
 Concen: 0.526 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

Tgt Ion: 63 Resp: 7987
 Ion Ratio Lower Upper
 63 100
 65 33.7 23.9 35.9



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



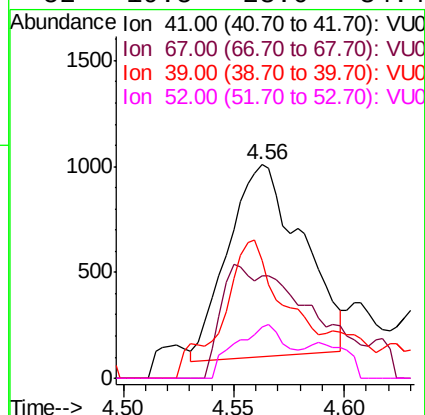


#39
Methacrylonitrile
Concen: 0.478 ug/l
RT: 4.56 min Scan# 1080
Delta R.T. 0.02 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
67	26.2	50.2	75.4#	
39	63.2	40.7	61.1#	
52	19.5	23.0	34.4#	

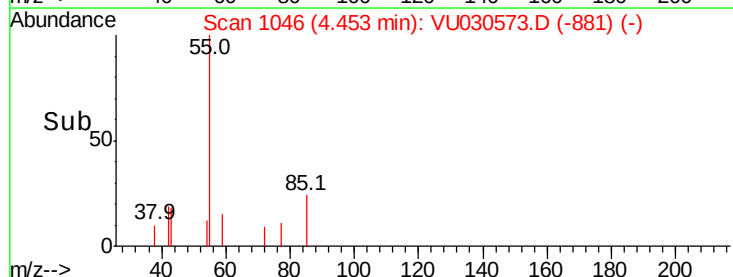
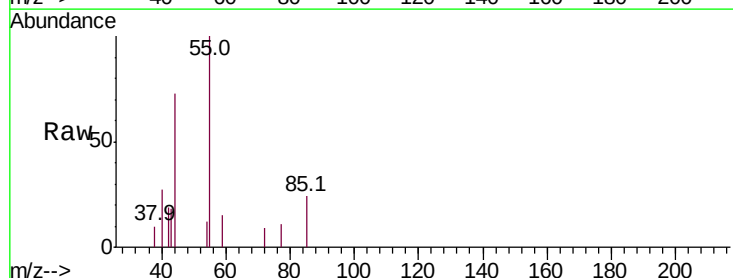
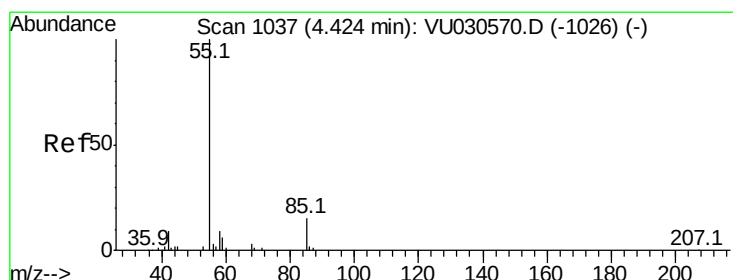
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

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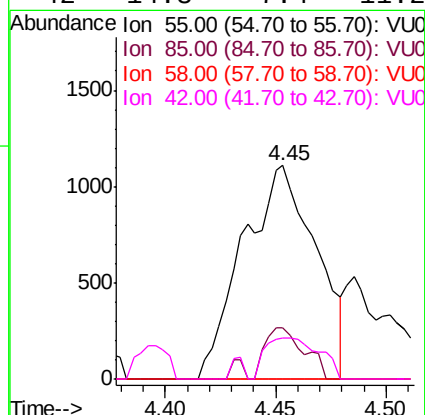
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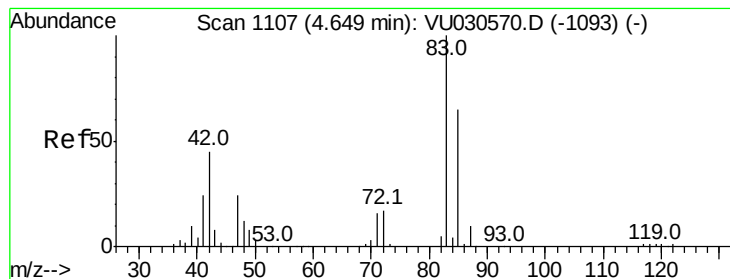
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#40
Methyl acrylate
Concen: 0.377 ug/l
RT: 4.45 min Scan# 1046
Delta R.T. 0.03 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tgt Ion	Ion	Ratio	Lower	Upper
55	100			
85	12.8	12.5	18.7	
58	0.0	6.3	9.5#	
42	14.3	7.4	11.2#	





#41

Tetrahydrofuran

Concen: 1.426 ug/l

RT: 4.66 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

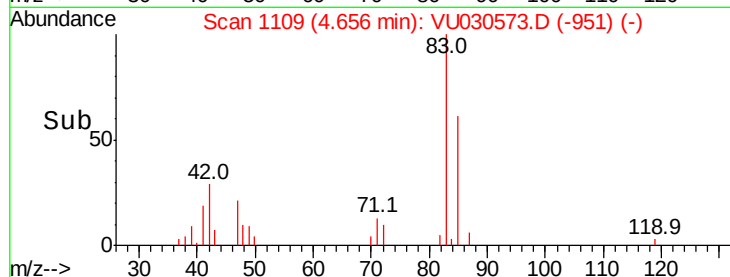
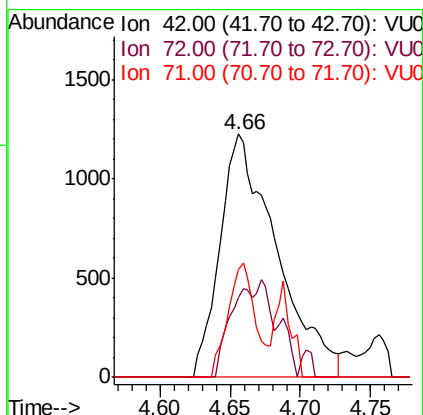
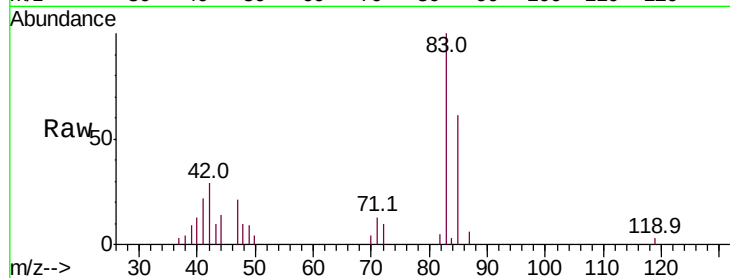
MSVOA_U

ClientSampleId :

VSTDIC0.5

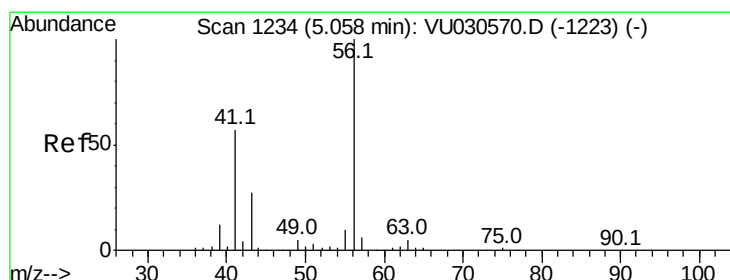
Tot Ion:	42	Resp:	3440
Ion	Ratio	Lower	Upper
42	100		
72	15.5	33.4	50.0#
71	23.0	28.8	43.2#

Manual Integrations
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#42

1-Chlorobutane

Concen: 0.486 ug/l

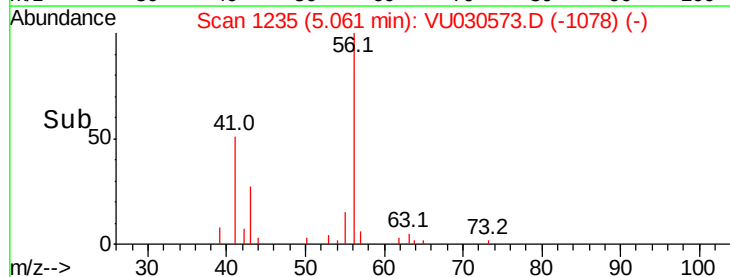
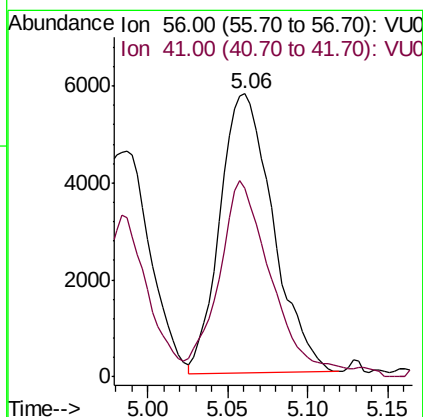
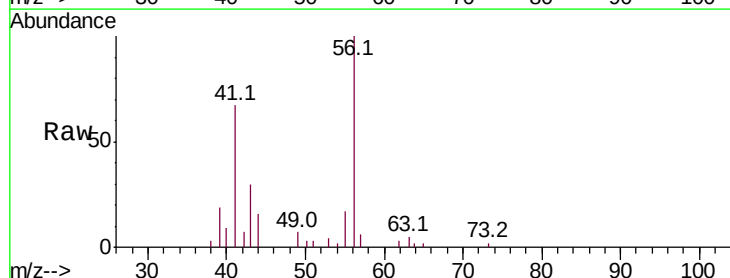
RT: 5.06 min Scan# 1235

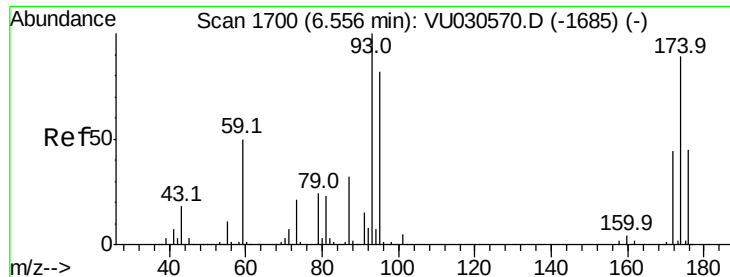
Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Tgt Ion:	56	Resp:	13144
Ion	Ratio	Lower	Upper
56	100		
41	63.8	28.5	85.6



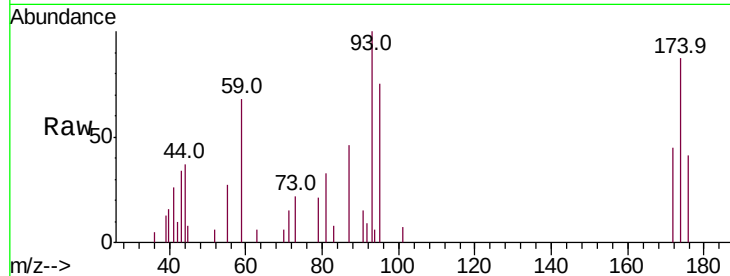


#43
Dibromomethane
Concen: 0.494 ug/l
RT: 6.56 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

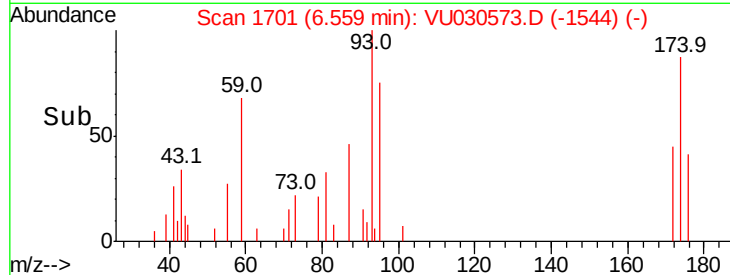
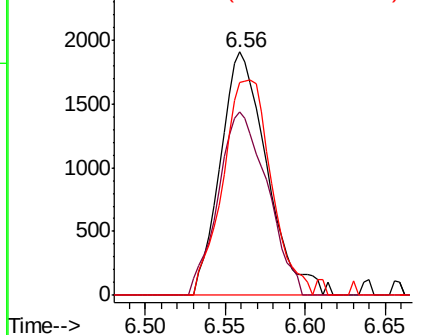
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 93 Resp: 3800
Ion Ratio Lower Upper
93 100
95 79.5 63.9 95.9
174 91.6 71.0 106.4

Manual Integrations
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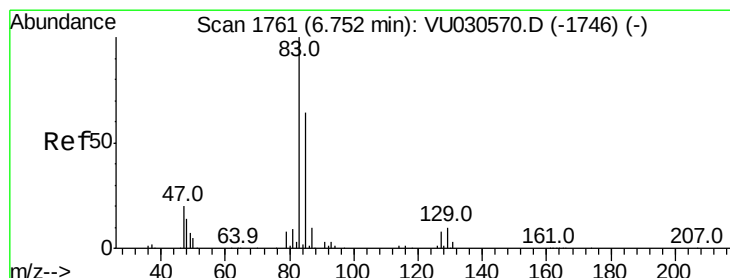


Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V



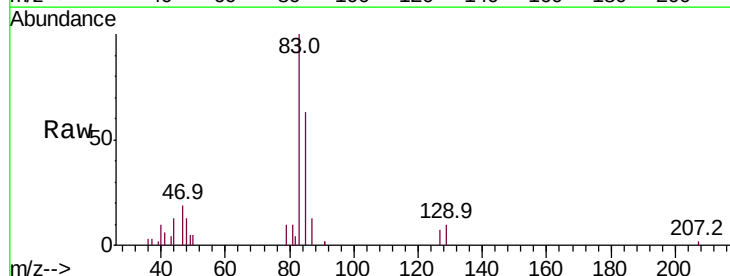
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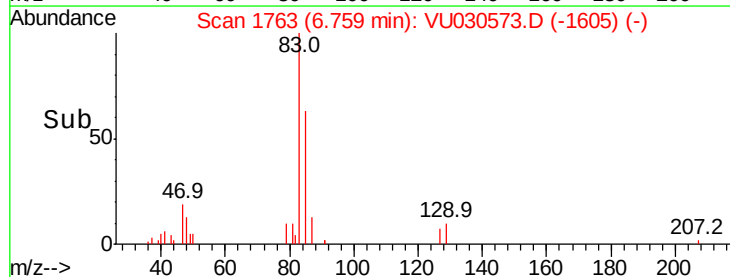
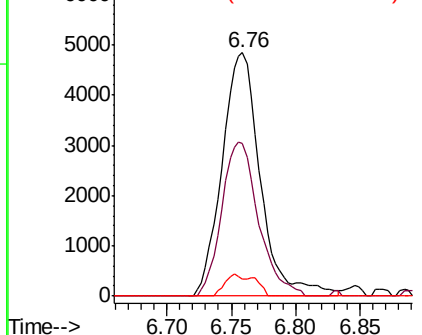


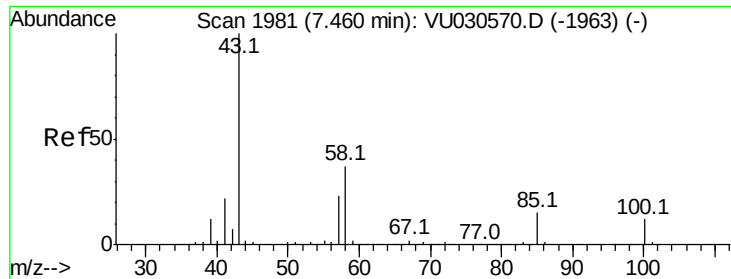
#44
Bromodichloromethane
Concen: 0.537 ug/l
RT: 6.76 min Scan# 1763
Delta R.T. 0.01 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tgt Ion: 83 Resp: 9987
Ion Ratio Lower Upper
83 100
85 62.8 51.1 76.7
127 7.1 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 127.00 (126.70 to 127.70): V



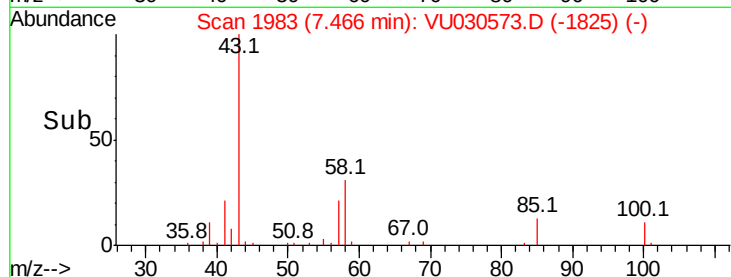
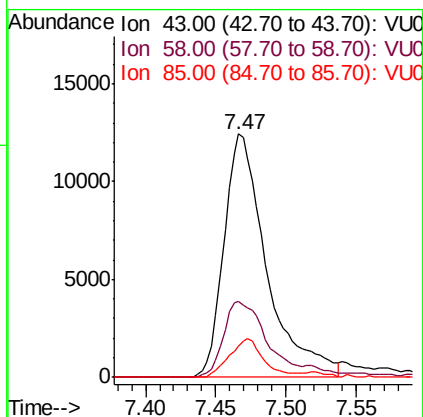
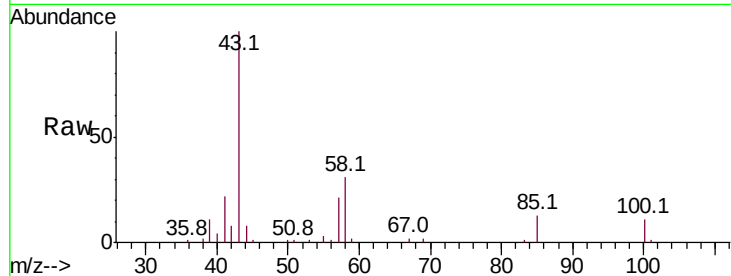


#45
4-Methyl-2-Pentanone
Concen: 3.248 ug/l
RT: 7.47 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

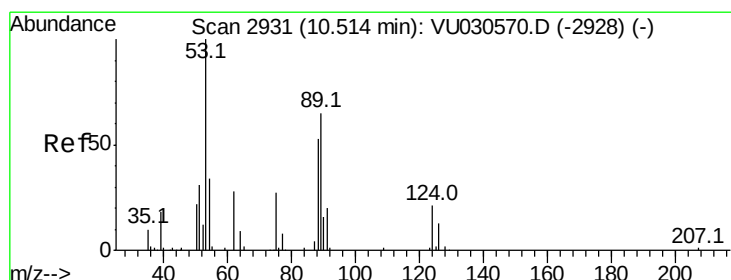
Tot Ion	Ratio	Lower	Upper
43	100		
58	31.1	18.6	55.8
85	12.9	11.8	17.6

Manual Integrations
APPROVED



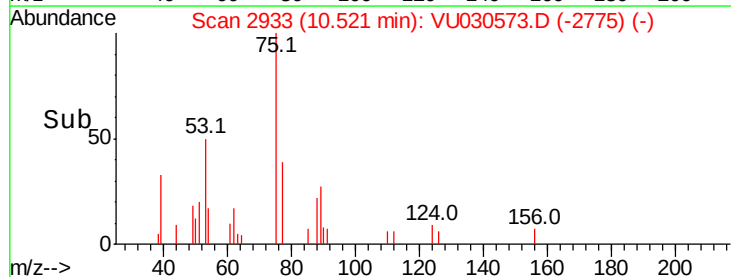
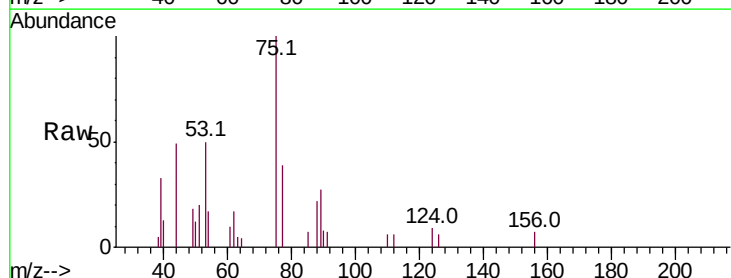
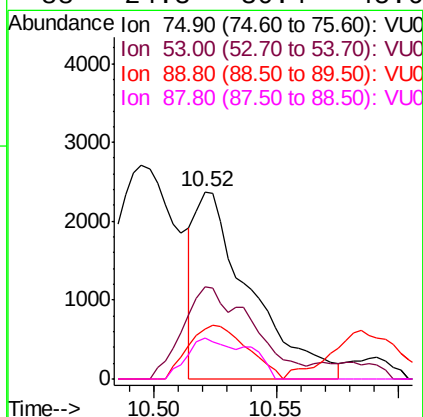
MMDadoda

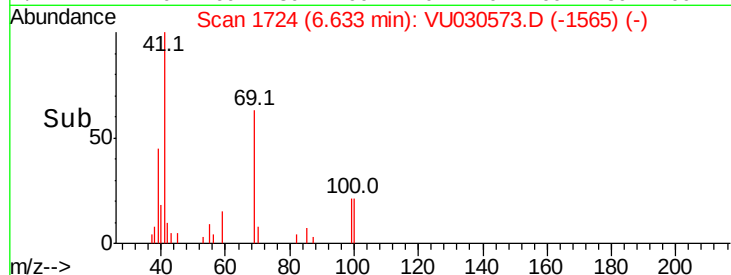
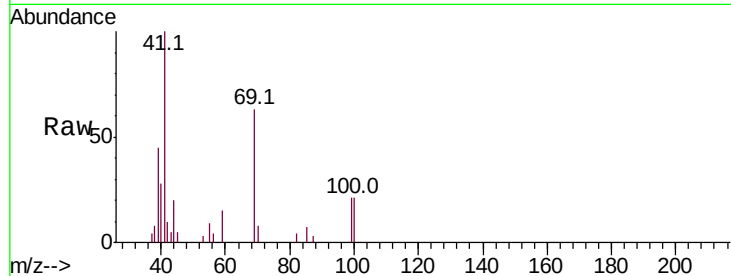
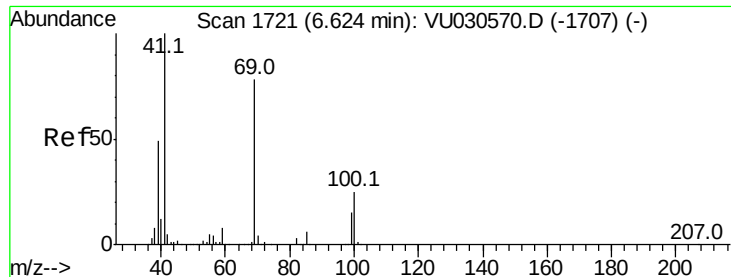
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#46
t-1,4-Dichloro-2-butene
Concen: 1.244 ug/l
RT: 10.52 min Scan# 2933
Delta R.T. 0.01 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
75	100		
53	63.0	63.4	95.2#
89	30.7	39.1	58.7#
88	24.3	30.4	45.6#



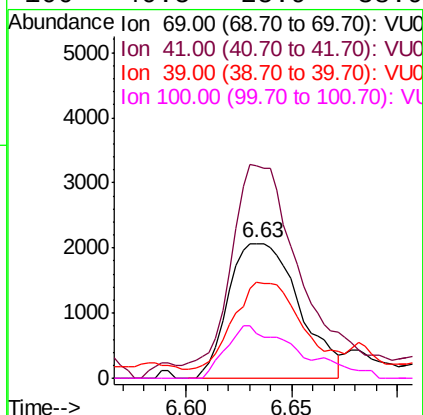


#47
Methyl methacrylate
Concen: 0.737 ug/l
RT: 6.63 min Scan# 1724
Delta R.T. 0.01 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	144.1	0.0	258.0	
39	62.0	51.0	76.4	
100	40.5	25.9	38.9	

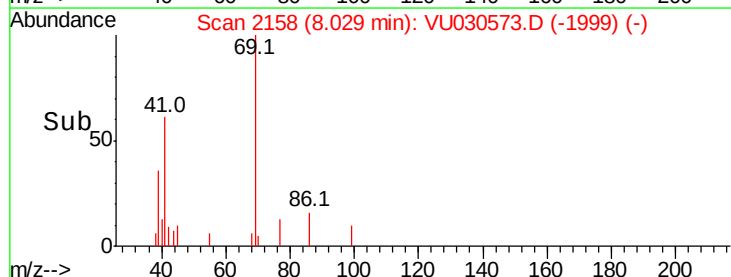
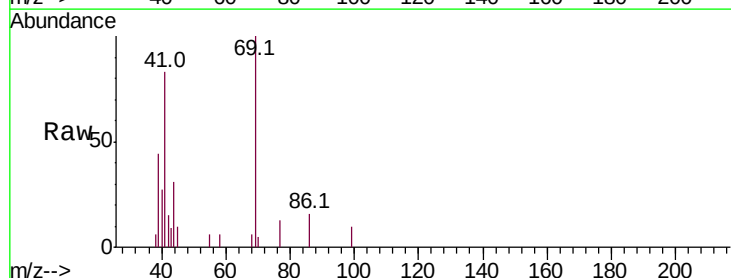
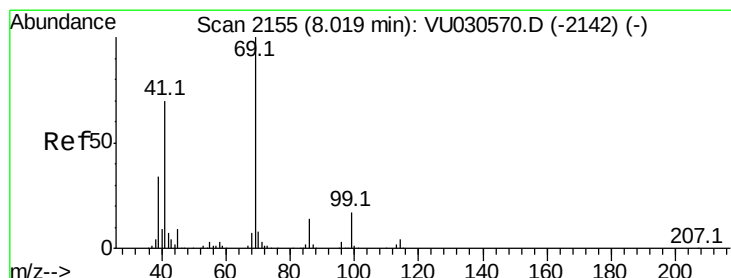
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Manual Integrations
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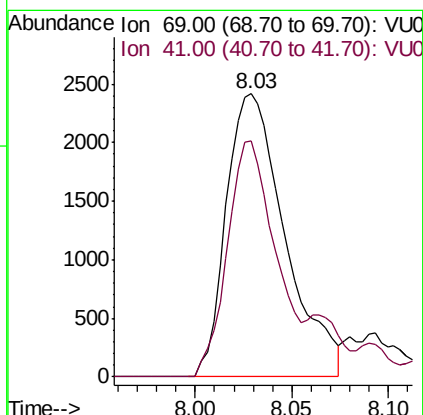
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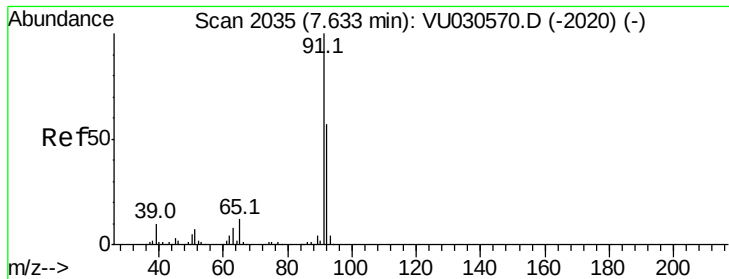
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#48
Ethyl methacrylate
Concen: 0.417 ug/l
RT: 8.03 min Scan# 2158
Delta R.T. 0.01 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	68.0	36.1	108.5	





#49

Toluene

Concen: 0.424 ug/l

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

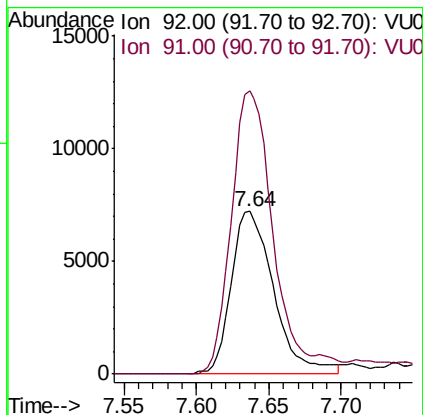
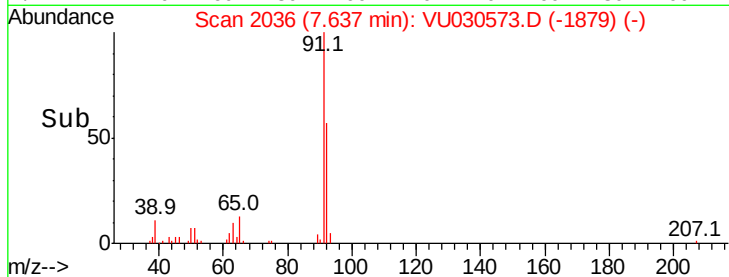
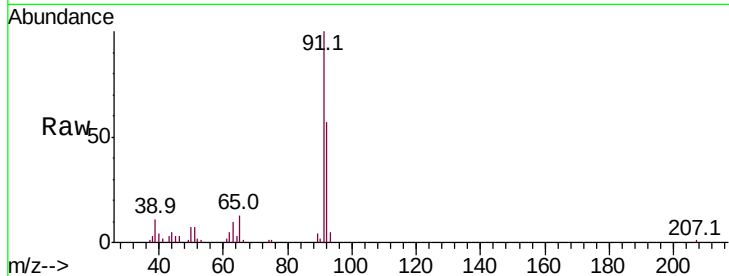
Tot Ion: 92 Resp: 14803

Ion Ratio Lower Upper

92 100

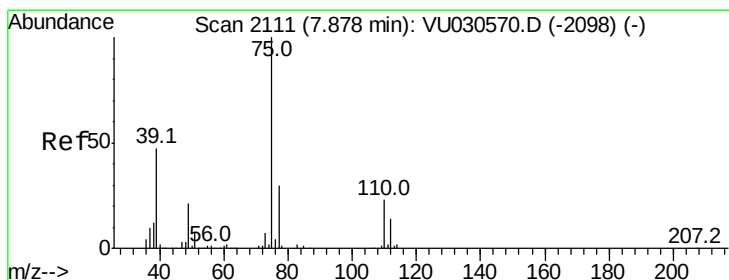
91 167.0 140.2 210.4

Manual Integrations
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#50

t-1,3-Dichloropropene

Concen: 0.423 ug/l

RT: 7.89 min Scan# 2114

Delta R.T. 0.01 min

Lab File: VU030573.D

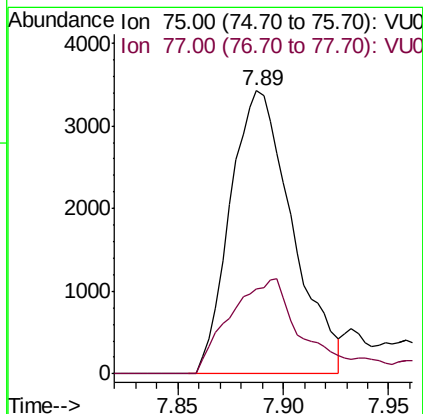
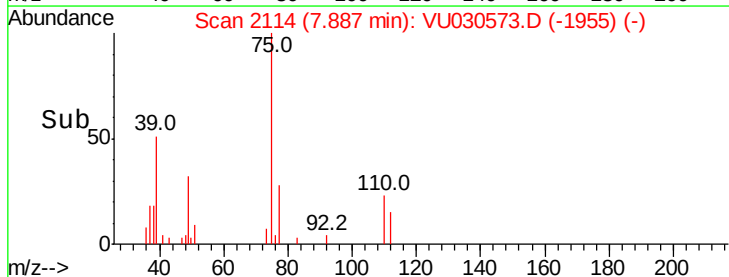
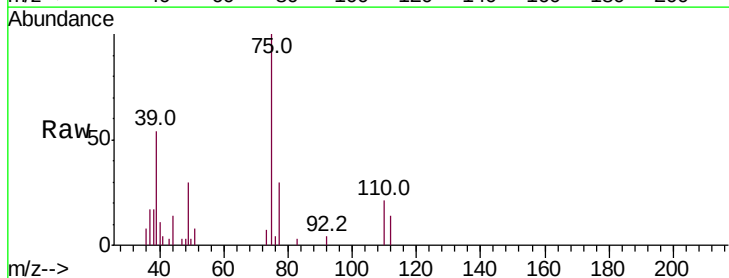
Acq: 30 Mar 2019 14:16

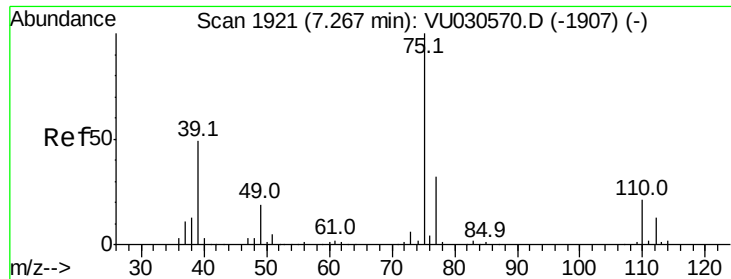
Tgt Ion: 75 Resp: 7001

Ion Ratio Lower Upper

75 100

77 29.9 24.4 36.6



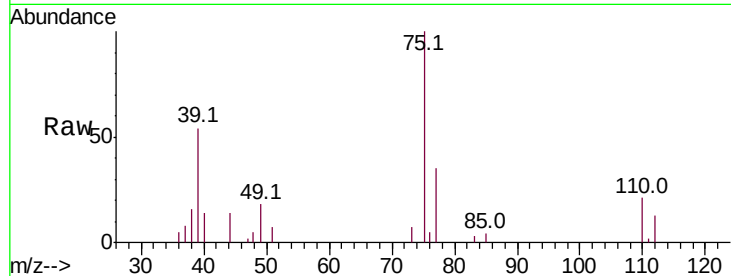


#51
 cis-1,3-Dichloropropene
 Concen: 0.462 ug/l
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

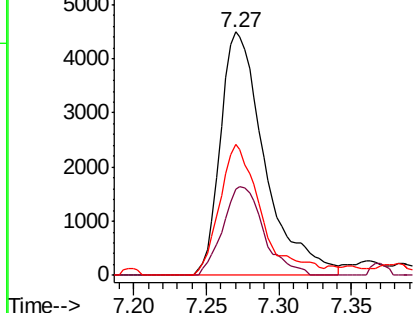
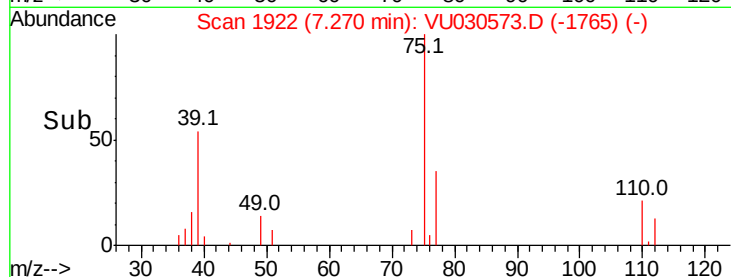
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	75	Resp:	9537
Ion	Ratio	Lower	Upper
75	100		
77	35.3	25.8	38.6
39	54.0	39.3	58.9

Manual Integrations
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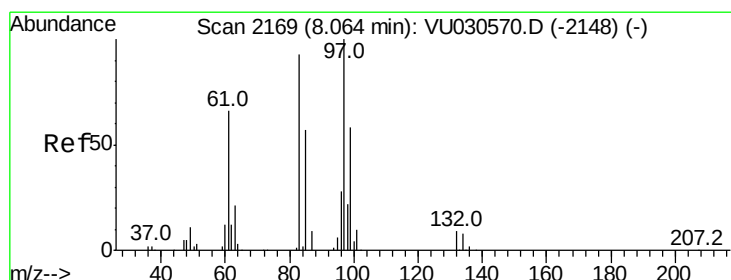


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0



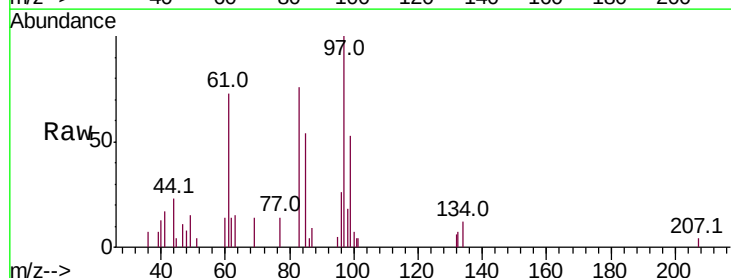
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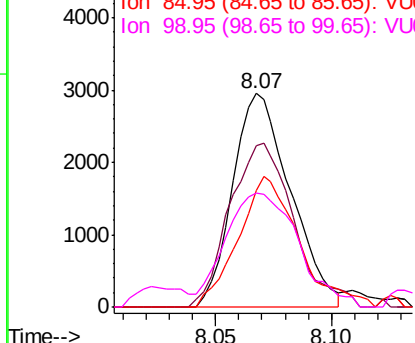
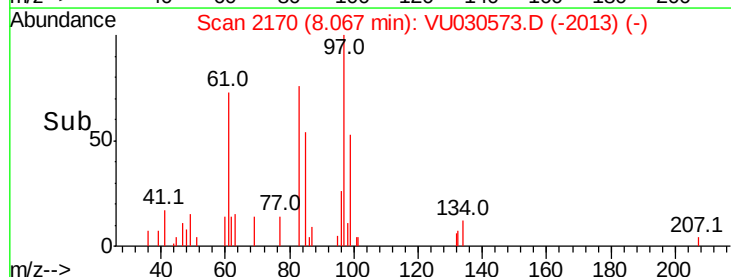


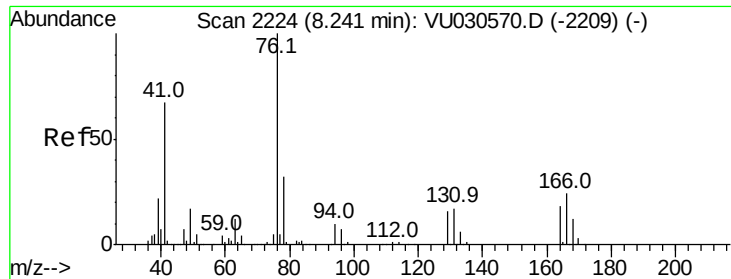
#52
 1,1,2-Trichloroethane
 Concen: 0.473 ug/l
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

Tgt Ion:	97	Resp:	5094
Ion	Ratio	Lower	Upper
97	100		
83	75.8	74.3	111.5
85	54.5	45.4	68.0
99	47.7	46.6	70.0



Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 84.95 (84.65 to 85.65): VU0
 Ion 98.95 (98.65 to 99.65): VU0





#53

1,3-Dichloropropane

Concen: 0.515 ug/l

RT: 8.25 min Scan# 2226

Delta R.T. 0.01 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

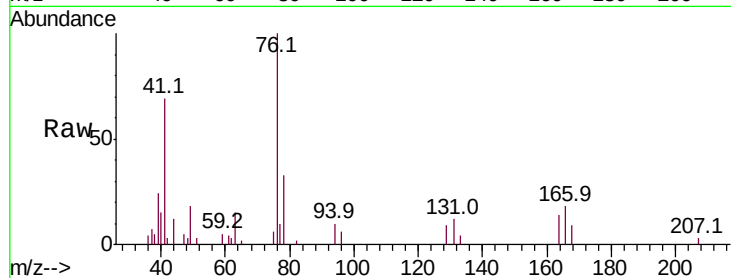
Tot Ion: 76 Resp: 9430

Ion Ratio Lower Upper

76 100

78 33.8 25.3 37.9

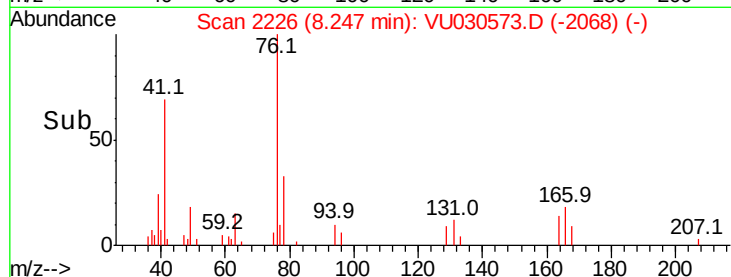
Manual Integrations
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Abundance Ion 76.00 (75.70 to 76.70): VU030573.D (-2209) (-)

Ion 78.00 (77.70 to 78.70): VU030573.D (-2209) (-)

Time-->



Abundance

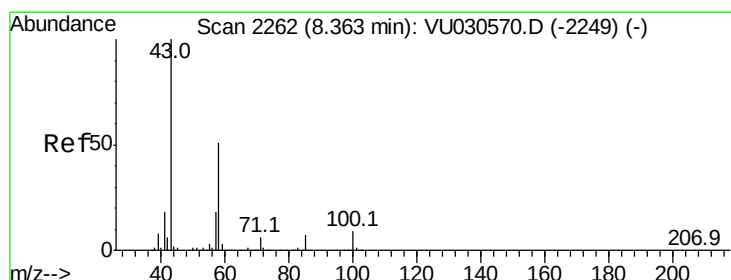
Ion 76.00 (75.70 to 76.70): VU030573.D (-2209) (-)

Ion 78.00 (77.70 to 78.70): VU030573.D (-2209) (-)

Time-->

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#54

2-Hexanone

Concen: 3.026 ug/l

RT: 8.37 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

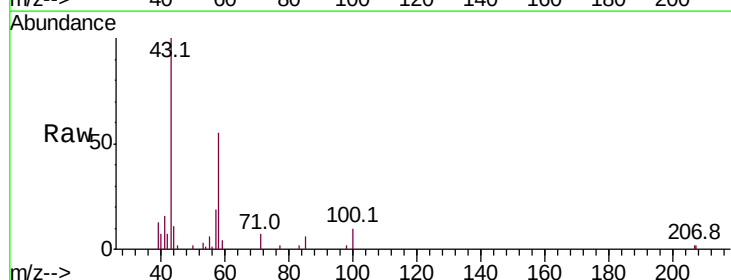
Tgt Ion: 43 Resp: 17506

Ion Ratio Lower Upper

43 100

58 54.6 32.5 72.5

57 19.3 0.0 37.6

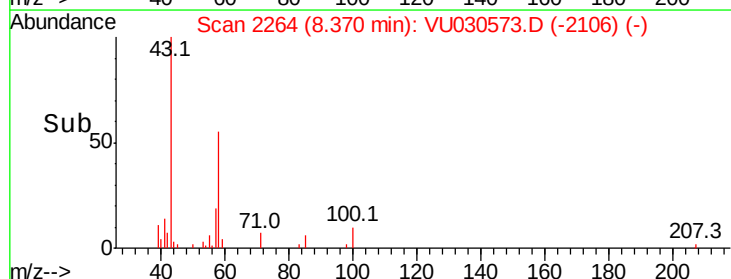


Abundance Ion 43.00 (42.70 to 43.70): VU030573.D (-2106) (-)

Ion 58.00 (57.70 to 58.70): VU030573.D (-2106) (-)

Ion 57.00 (56.70 to 57.70): VU030573.D (-2106) (-)

Time-->



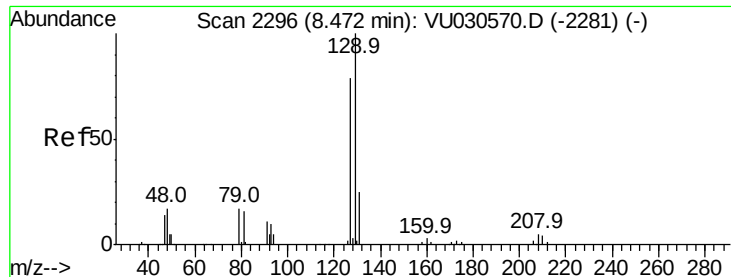
Abundance

Ion 43.00 (42.70 to 43.70): VU030573.D (-2106) (-)

Ion 58.00 (57.70 to 58.70): VU030573.D (-2106) (-)

Ion 57.00 (56.70 to 57.70): VU030573.D (-2106) (-)

Time-->



#55

Dibromochloromethane

Concen: 0.444 ug/l

RT: 8.48 min Scan# 2298

Delta R.T. 0.01 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

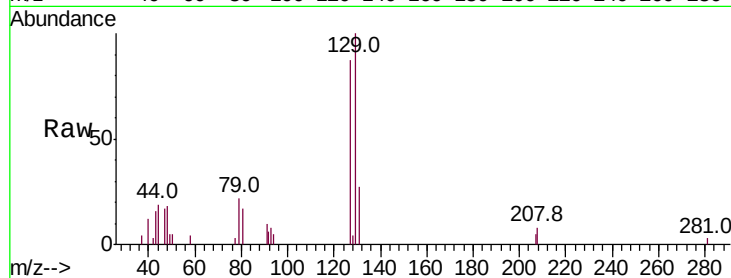
Tot Ion:129 Resp: 5692

Ion Ratio Lower Upper

129 100

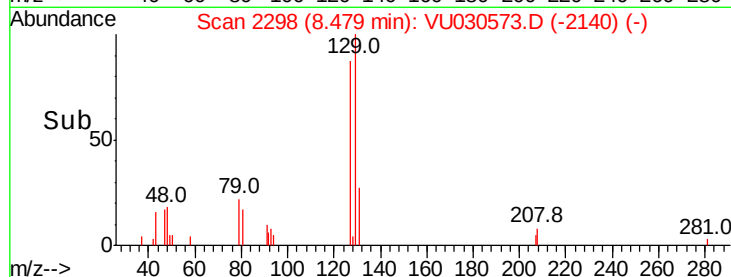
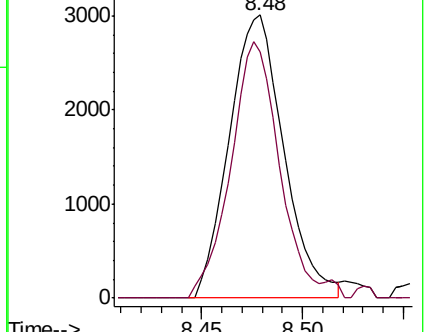
127 80.0 62.2 93.4

Manual Integrations
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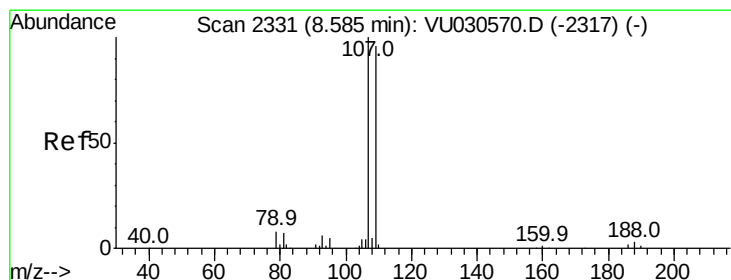
Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



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#56

1,2-Dibromoethane

Concen: 0.474 ug/l

RT: 8.59 min Scan# 2332

Delta R.T. 0.00 min

Lab File: VU030573.D

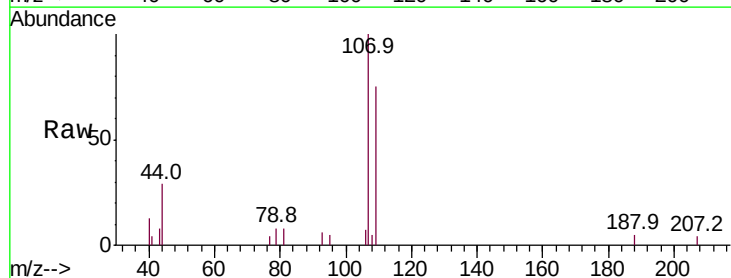
Acq: 30 Mar 2019 14:16

Tgt Ion:107 Resp: 4862

Ion Ratio Lower Upper

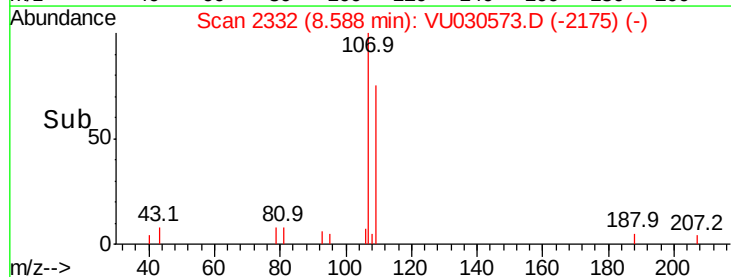
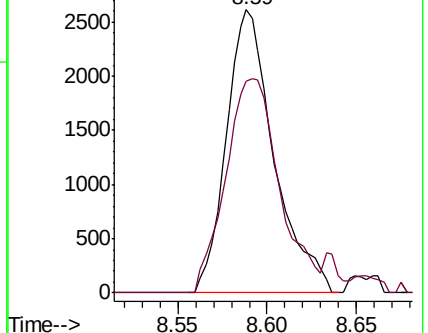
107 100

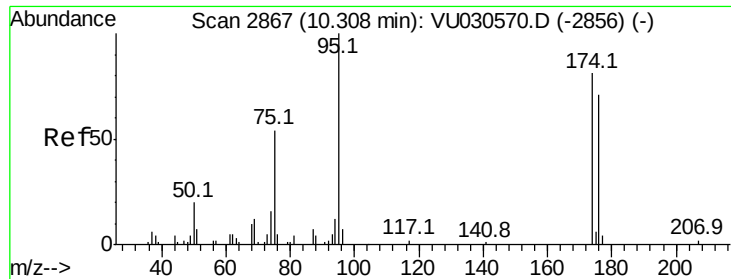
109 85.5 0.0 190.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



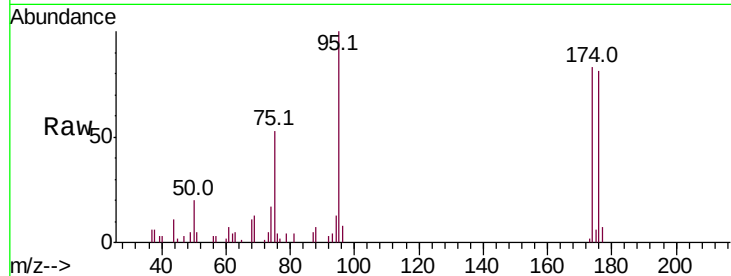


#57
4-Bromofluorobenzene
Concen: 0.474 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
95	100		
174	74.4	60.5	90.7
176	72.8	57.9	86.9

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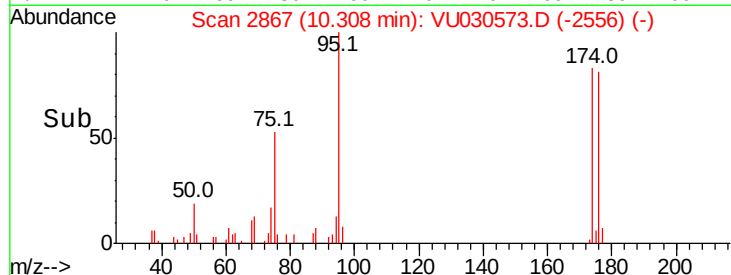
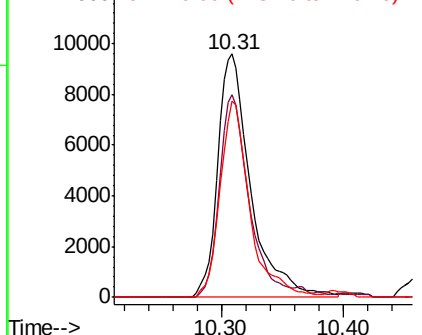


Abundance

Ion 95.00 (94.70 to 95.70): VU030573.D (-2556) (-)

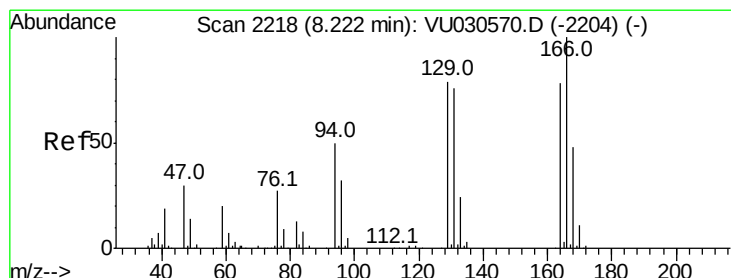
Ion 174.00 (173.70 to 174.70): VU030573.D (-2556) (-)

Ion 176.00 (175.70 to 176.70): VU030573.D (-2556) (-)



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#58
Tetrachloroethene
Concen: 0.424 ug/l
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.7	102.4	153.6
129	88.0	81.4	122.0
131	91.8	77.7	116.5

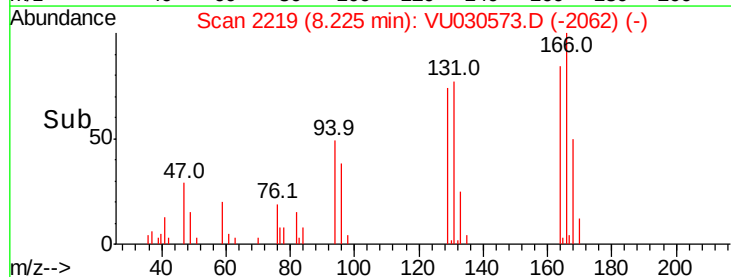
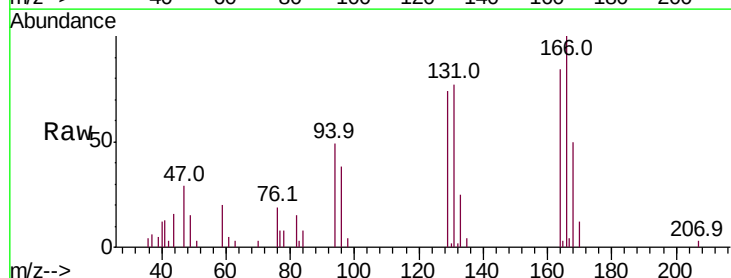
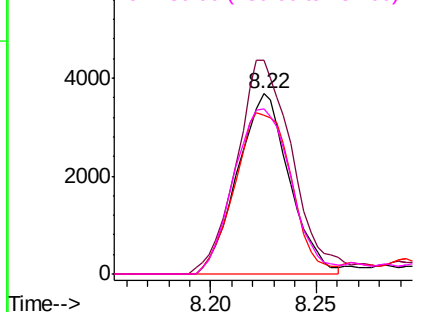
Abundance

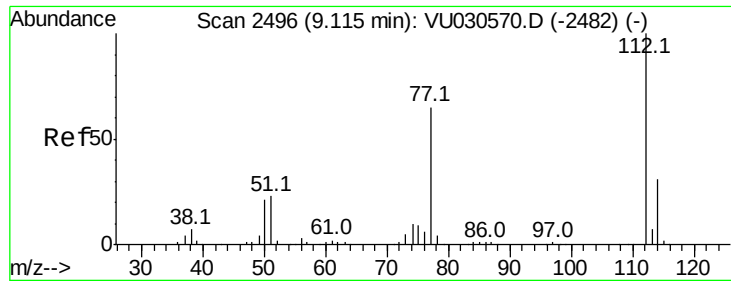
Ion 163.85 (163.55 to 164.55): VU030573.D (-2062) (-)

Ion 165.80 (165.50 to 166.50): VU030573.D (-2062) (-)

Ion 128.90 (128.60 to 129.60): VU030573.D (-2062) (-)

Ion 130.90 (130.60 to 131.60): VU030573.D (-2062) (-)



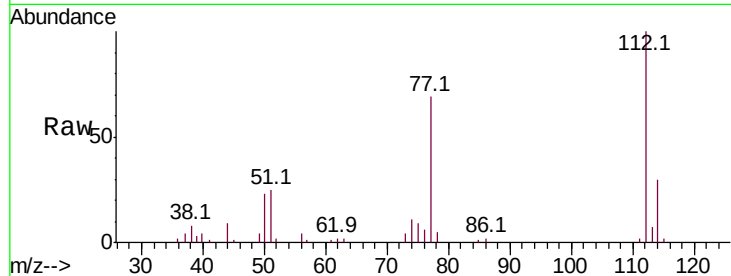


#59
Chlorobenzene
Concen: 0.406 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

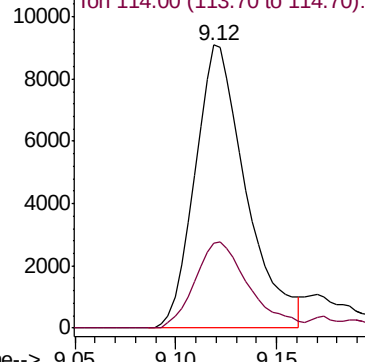
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:112 Resp: 16068
Ion Ratio Lower Upper
112 100
114 30.2 24.9 37.3

Manual Integrations
APPROVED

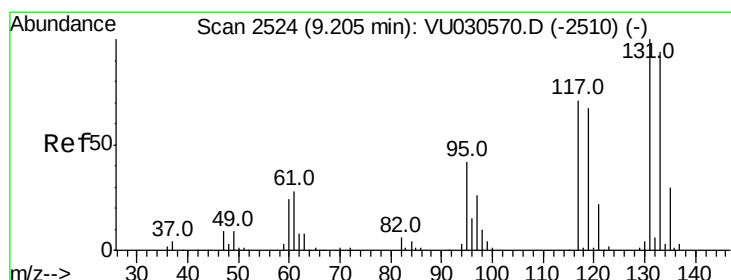
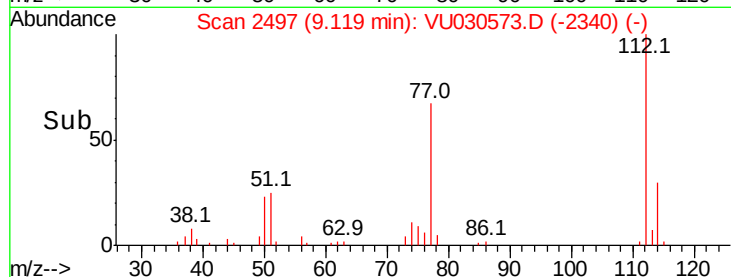


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V



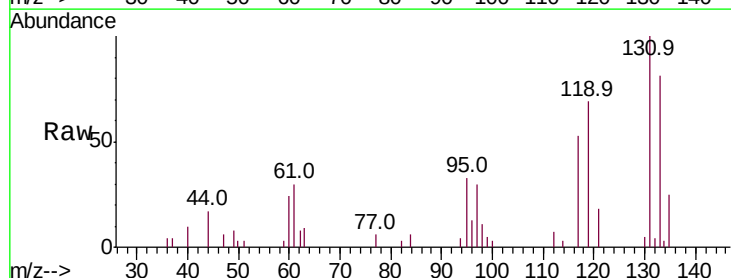
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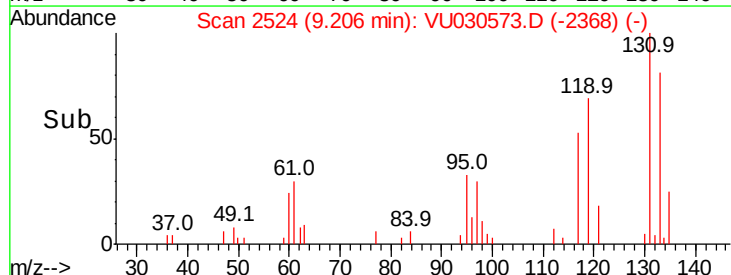
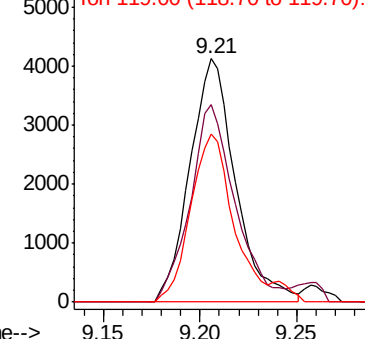


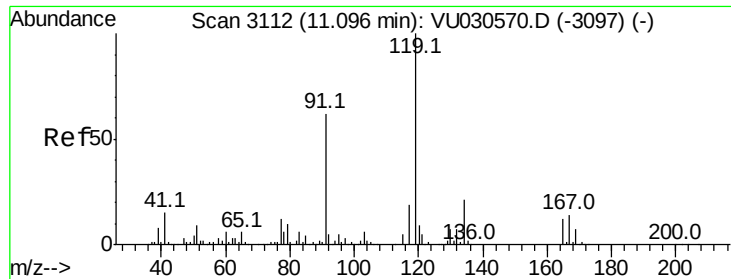
#60
1,1,1,2-Tetrachloroethane
Concen: 0.487 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tgt Ion:131 Resp: 6760
Ion Ratio Lower Upper
131 100
133 80.1 77.5 116.3
119 64.2 53.2 79.8



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



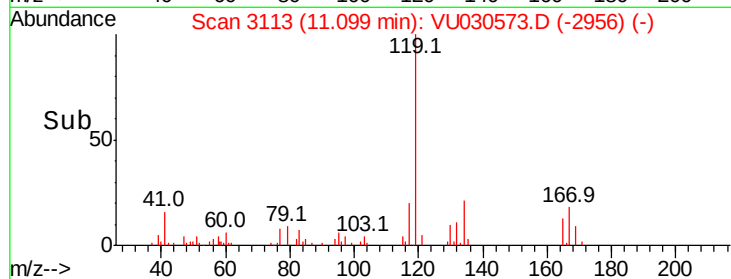
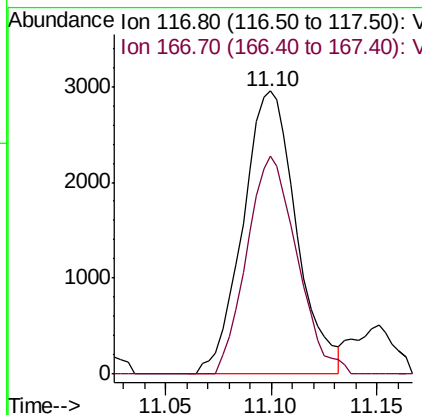
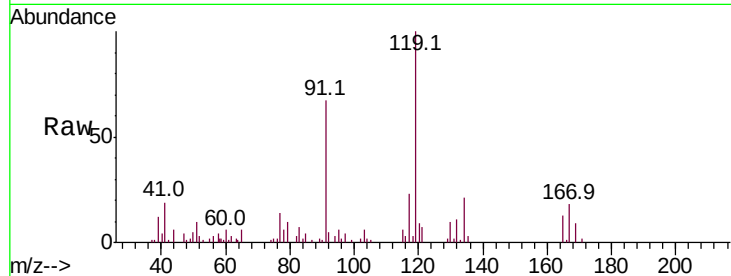


#61
 Pentachloroethane
 Concen: 0.482 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

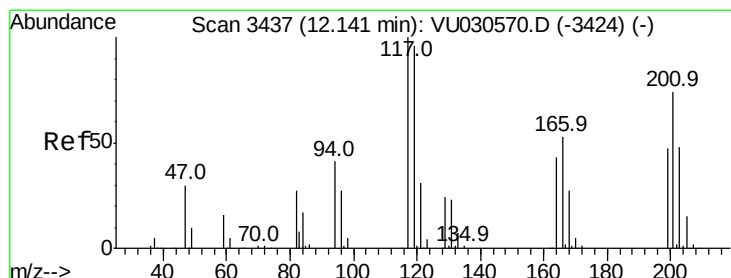
Tot Ion:117 Resp: 5202
 Ion Ratio Lower Upper
 117 100
 167 72.1 62.6 93.8

Manual Integrations
 APPROVED



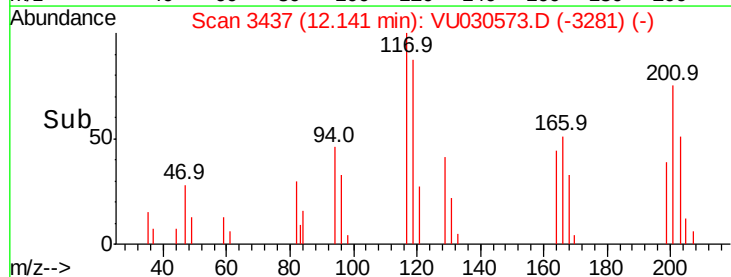
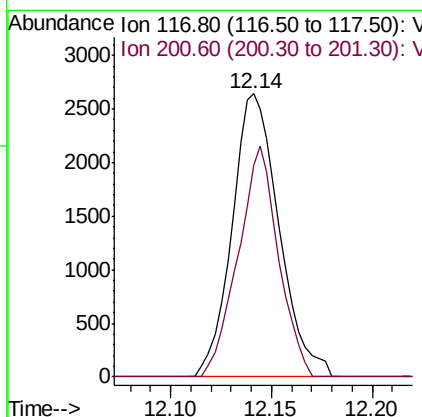
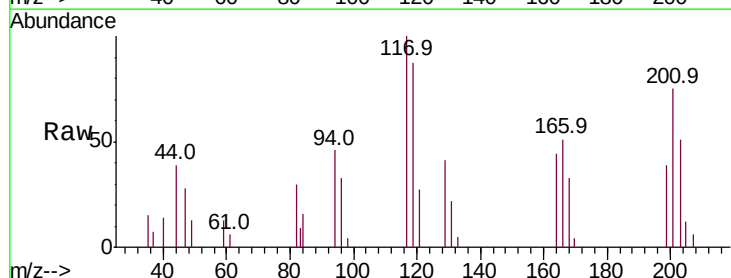
MMDadoda

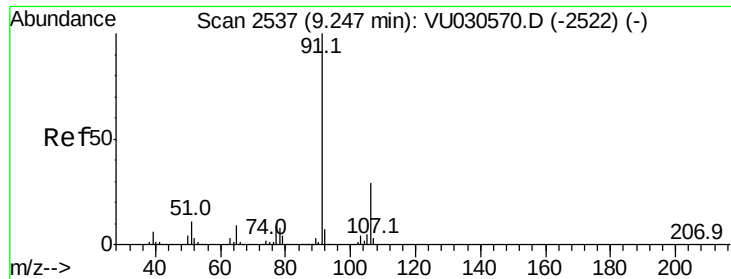
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#62
 Hexachloroethane
 Concen: 0.408 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

Tgt Ion:117 Resp: 4308
 Ion Ratio Lower Upper
 117 100
 201 70.0 59.1 88.7



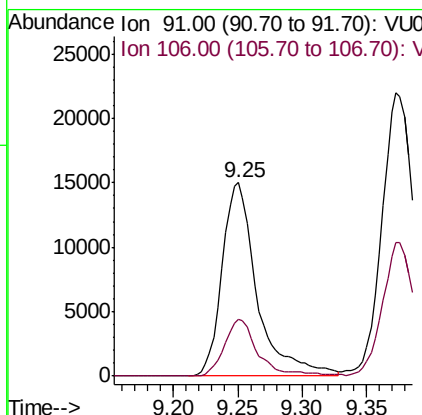
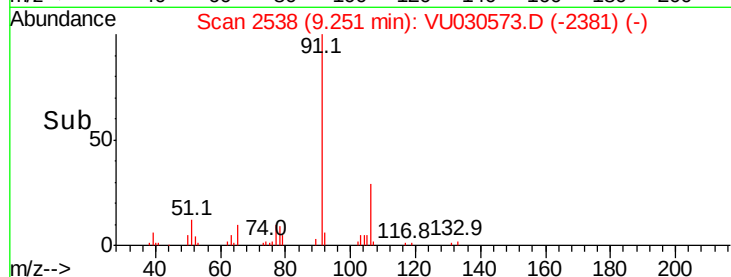
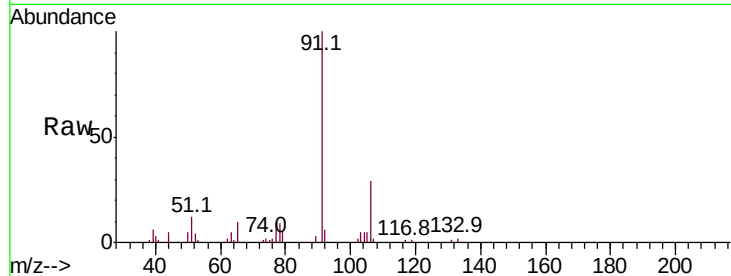


#63
Ethyl Benzene
Concen: 0.430 ug/l
RT: 9.25 min Scan# 2538
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

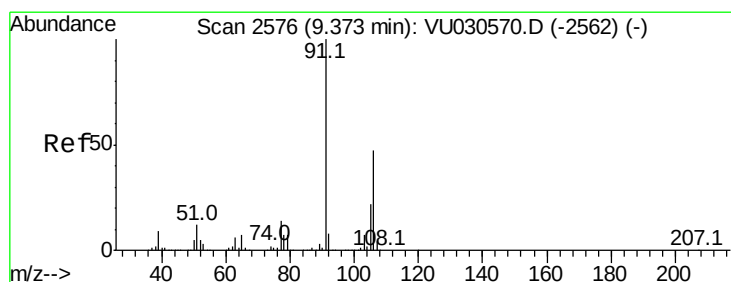
Tot Ion: 91 Resp: 28317
Ion Ratio Lower Upper
91 100
106 29.2 23.1 34.7

Manual Integrations
APPROVED



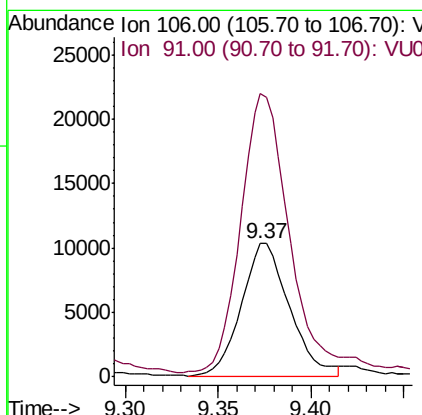
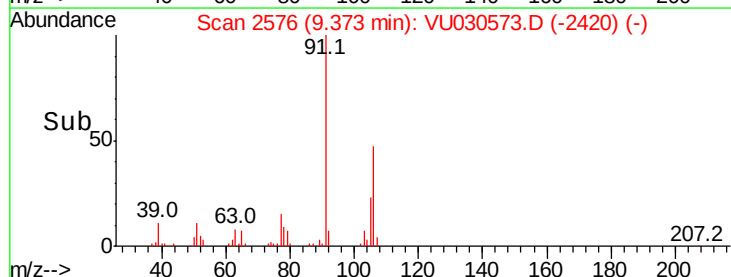
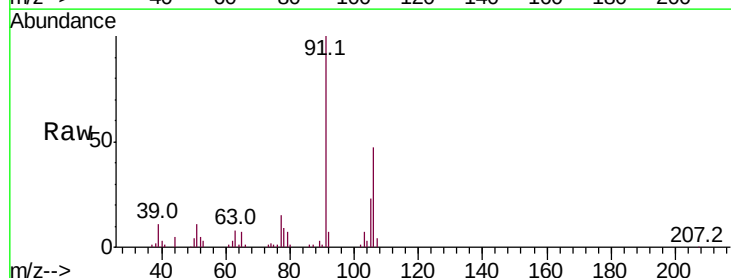
MMDadoda

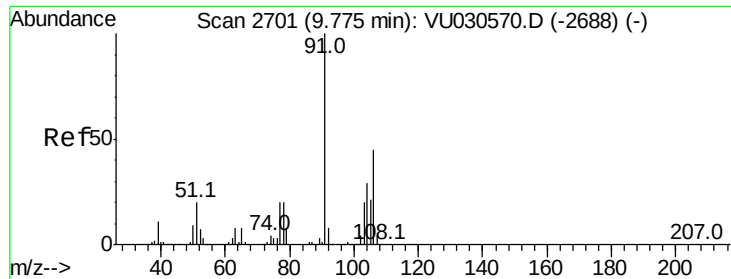
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#64
m/p-Xylenes
Concen: 0.742 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tgt Ion: 106 Resp: 18897
Ion Ratio Lower Upper
106 100
91 218.0 179.4 269.0



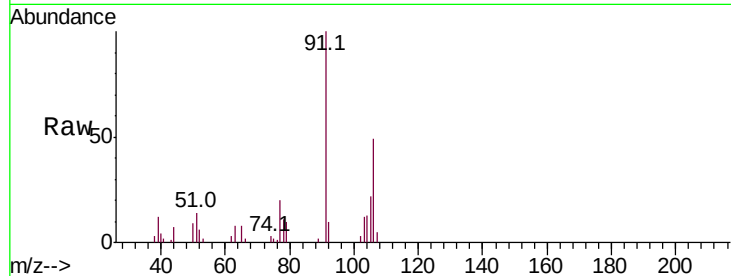


#65
o-Xylene
Concen: 0.376 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

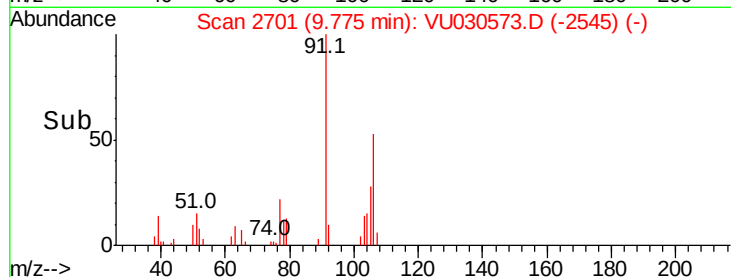
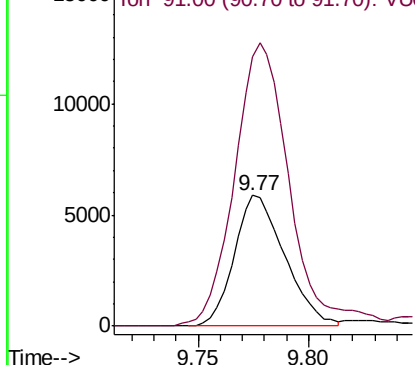
Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

Tot Ion:106 Resp: 9376
Ion Ratio Lower Upper
106 100
91 235.6 115.5 346.4

Manual Integrations
APPROVED

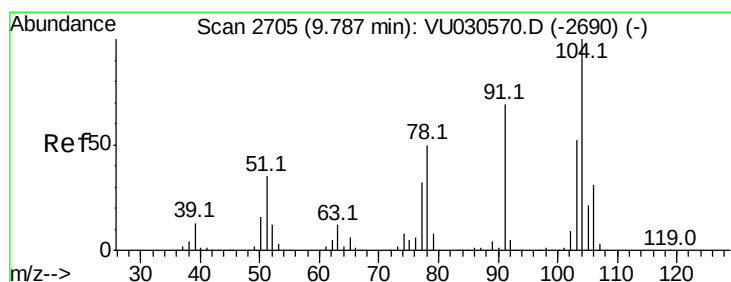


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



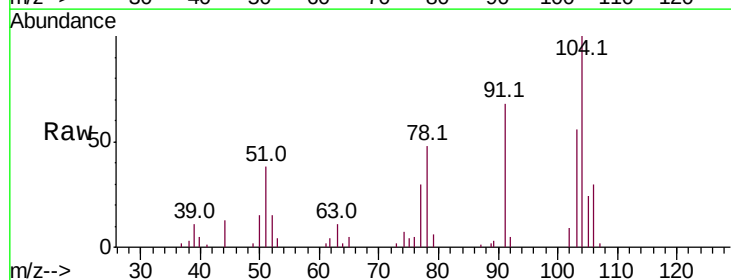
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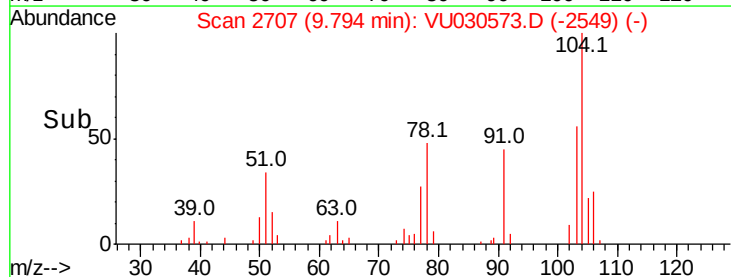
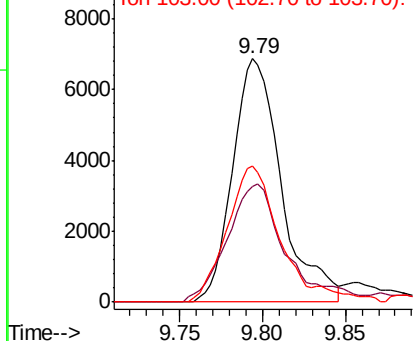


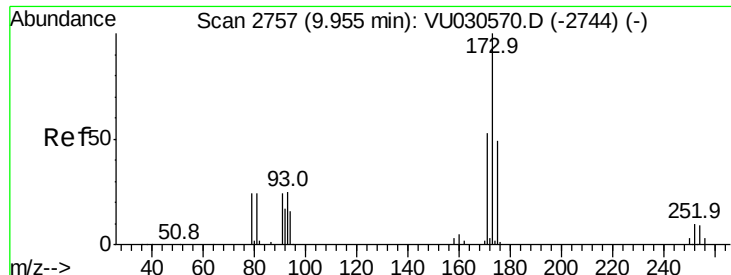
#66
Styrene
Concen: 0.341 ug/l
RT: 9.79 min Scan# 2707
Delta R.T. 0.01 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tgt Ion:104 Resp: 14075
Ion Ratio Lower Upper
104 100
78 57.7 42.3 63.5
103 57.2 44.7 67.1



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





#67

Bromoform

Concen: 0.420 ug/l

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:173 Resp: 3048

Ion Ratio Lower Upper

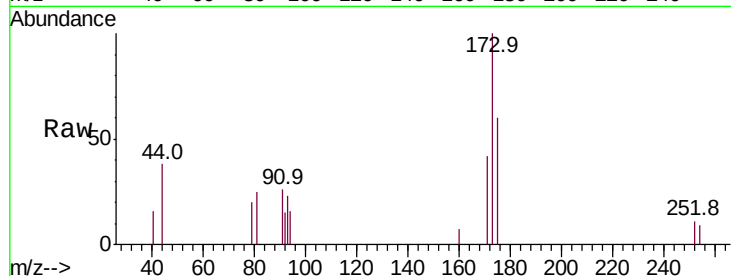
173 100

175 49.7 38.6 57.8

254 4.8 6.9 10.3#

Manual Integrations

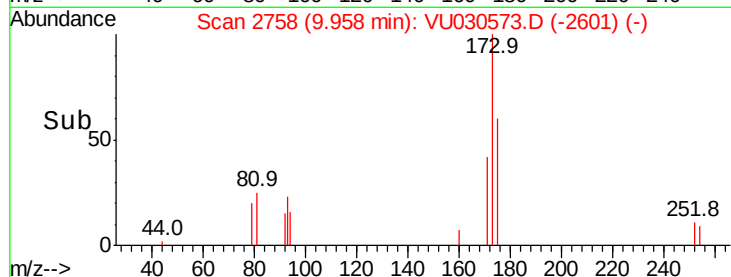
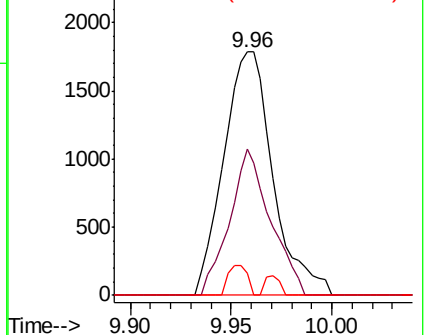
APPROVED



Abundance Ion 172.90 (172.60 to 173.60): V

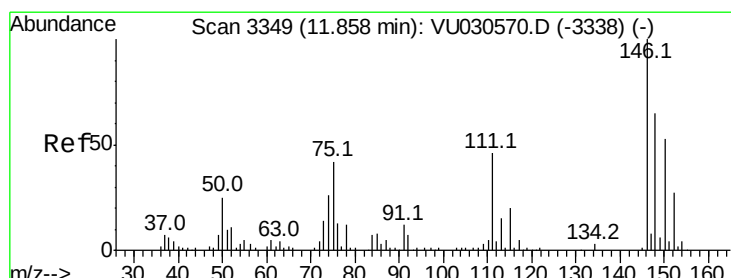
Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



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#68

1,2-Dichlorobenzene-d4

Concen: 0.420 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

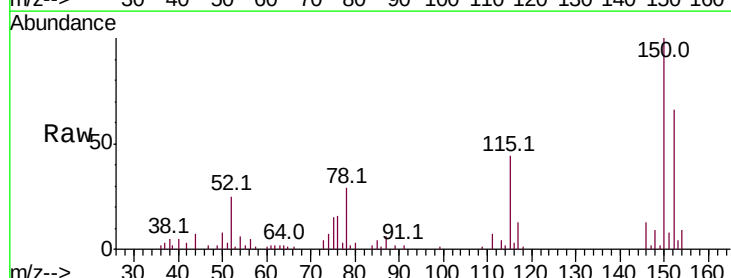
Tgt Ion:152 Resp: 17842

Ion Ratio Lower Upper

152 100

115 71.3 0.0 136.2

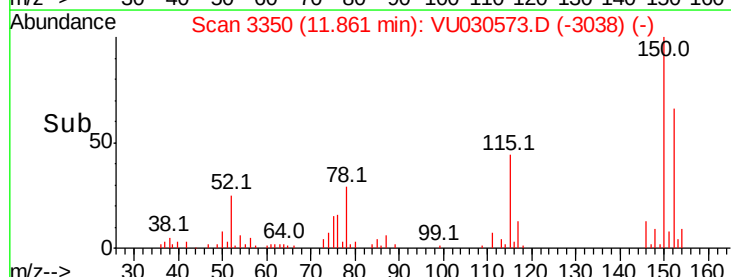
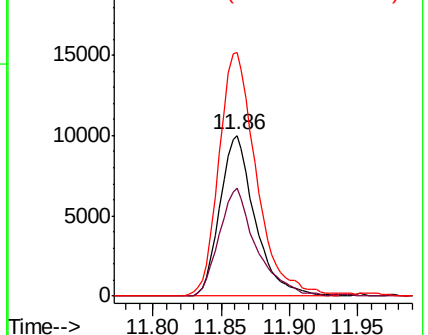
150 162.8 0.0 634.6

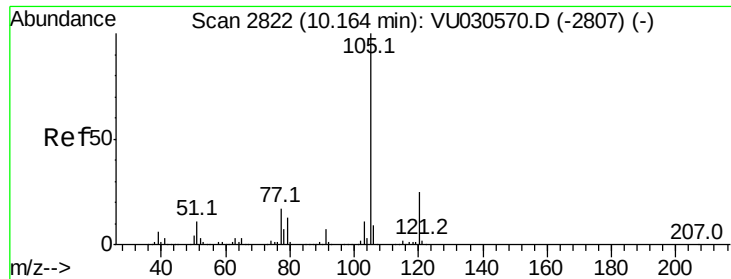


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.401 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

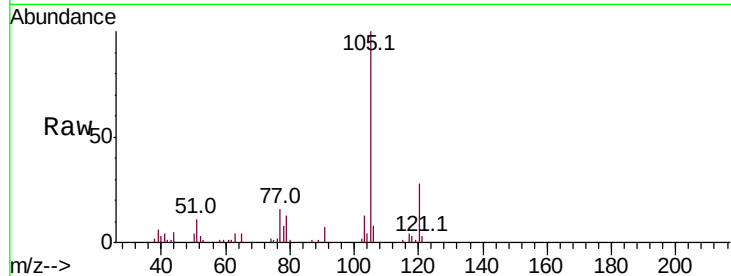
Tot Ion:105 Resp: 26325

Ion Ratio Lower Upper

105 100

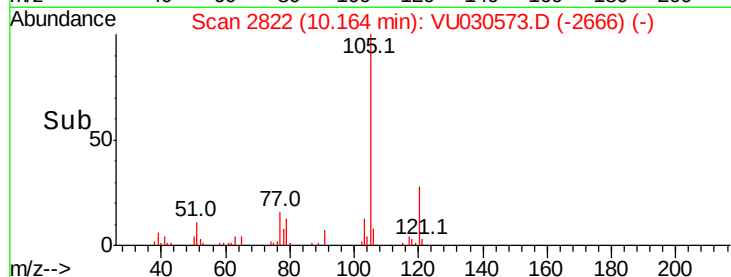
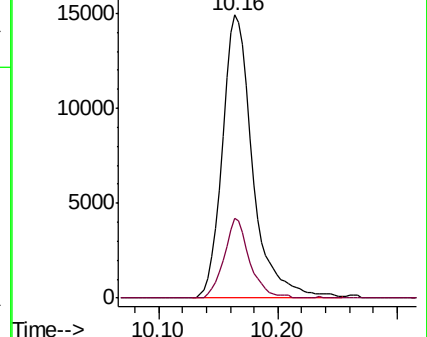
120 23.5 12.6 37.6

Manual Integrations
APPROVED



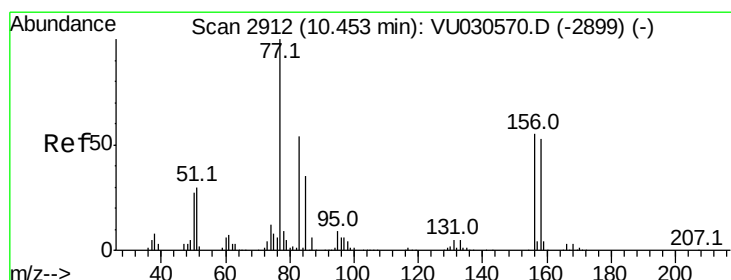
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#70

1,1,2,2-Tetrachloroethane

Concen: 0.533 ug/l

RT: 10.46 min Scan# 2914

Delta R.T. 0.01 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

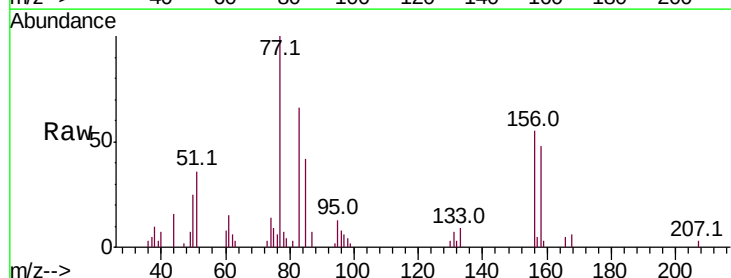
Tgt Ion: 83 Resp: 7193

Ion Ratio Lower Upper

83 100

131 9.8 7.0 10.6

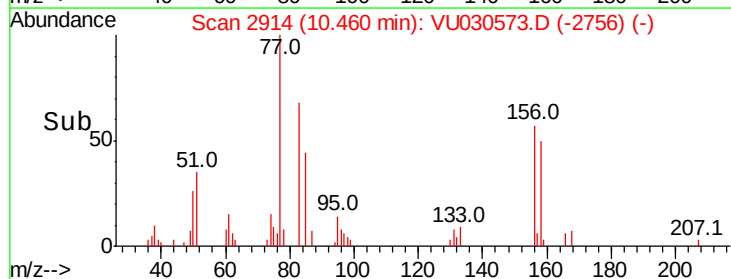
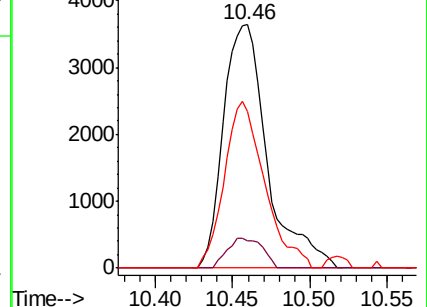
85 62.6 51.0 76.4

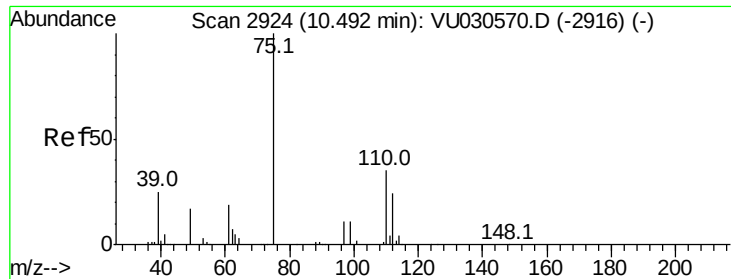


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0



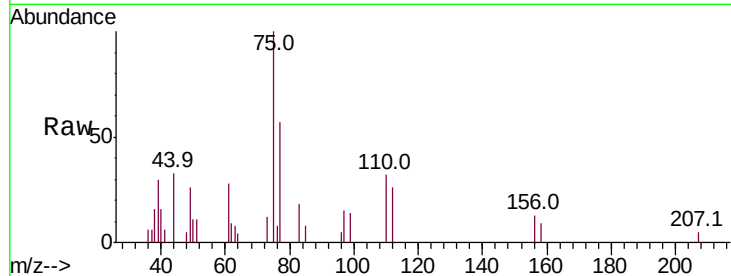


#71
 1,2,3-Trichloropropane
 Concen: 0.493 ug/l
 RT: 10.49 min Scan# 2925
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

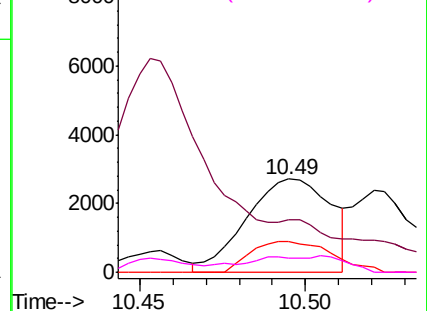
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	75	Resp:	4821
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	31.6	0.0	83.8
97	3.8	0.0	42.8

Manual Integrations
 APPROVED

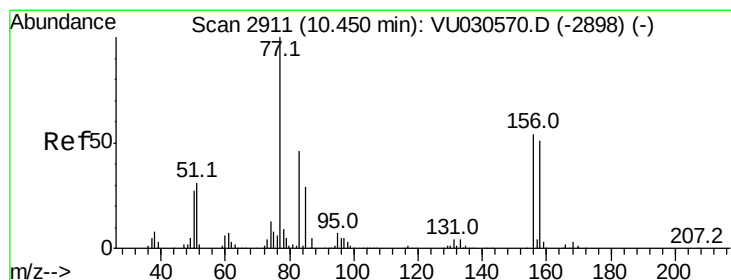
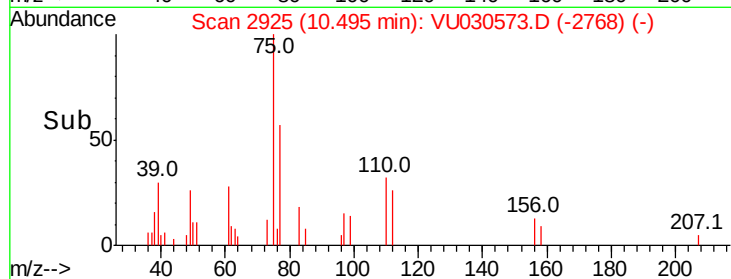


Abundance Ion 75.00 (74.70 to 75.70): VU030570.D (-2916) (-)
 Ion 77.00 (76.70 to 77.70): VU030570.D (-2916) (-)
 Ion 110.00 (109.70 to 110.70): VU030570.D (-2916) (-)
 Ion 97.00 (96.70 to 97.70): VU030570.D (-2916) (-)



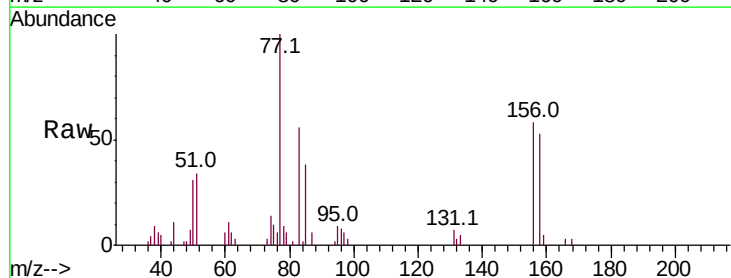
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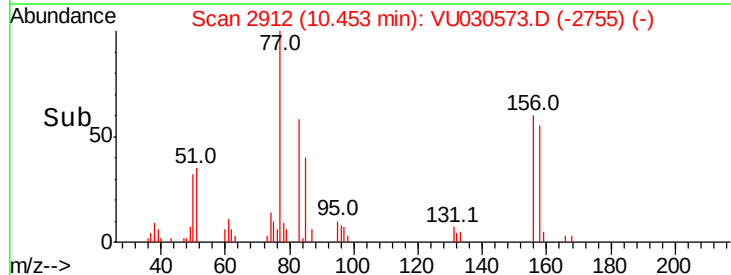
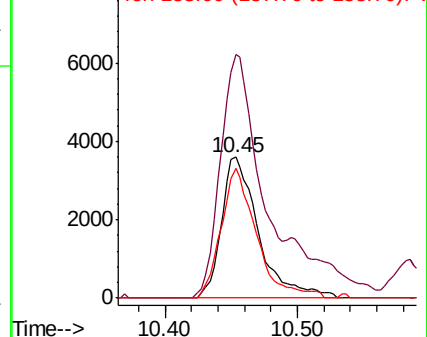


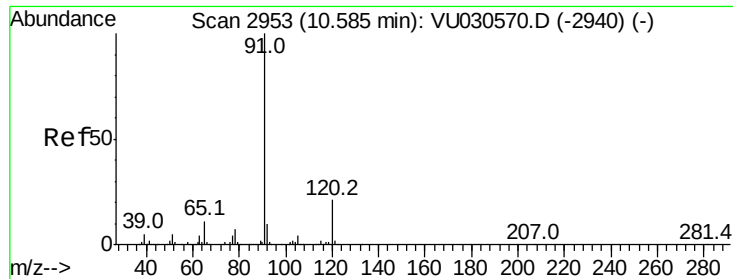
#72
 Bromobenzene
 Concen: 0.415 ug/l
 RT: 10.45 min Scan# 2912
 Delta R.T. 0.00 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

Tgt Ion:	156	Resp:	6998
Ion	Ratio	Lower	Upper
156	100		
77	175.5	0.0	363.0
158	87.6	0.0	193.2



Abundance Ion 156.00 (155.70 to 156.70): VU030570.D (-2898) (-)
 Ion 77.00 (76.70 to 77.70): VU030570.D (-2898) (-)
 Ion 158.00 (157.70 to 158.70): VU030570.D (-2898) (-)





#73

n-propylbenzene

Concen: 0.330 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

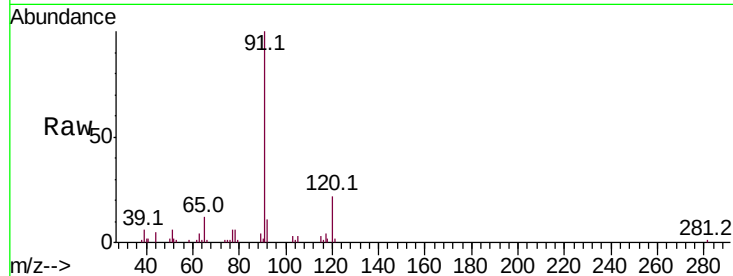
Tot Ion:120 Resp: 6064

Ion Ratio Lower Upper

120 100

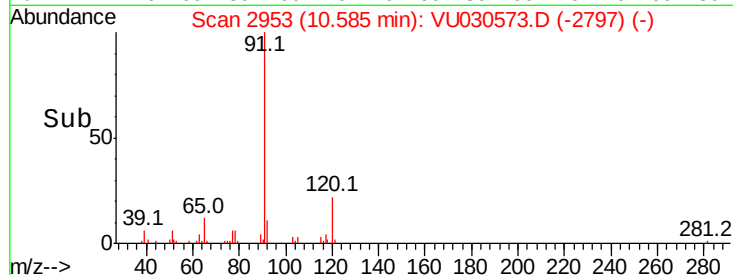
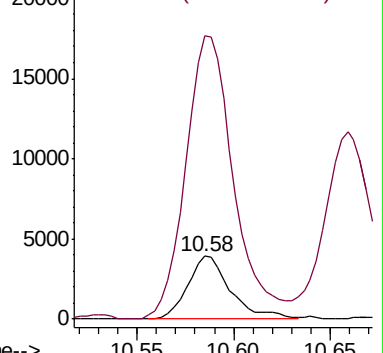
91 499.1 371.6 557.4

Manual Integrations
APPROVED



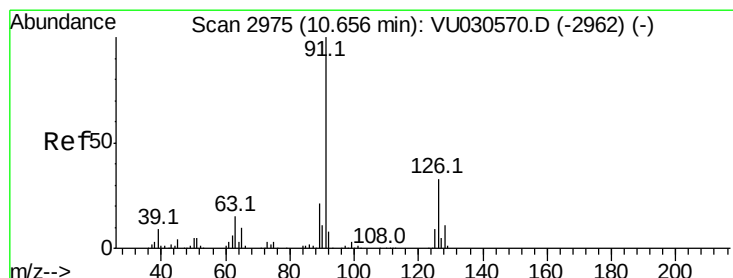
Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



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#74

2-Chlorotoluene

Concen: 0.381 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU030573.D

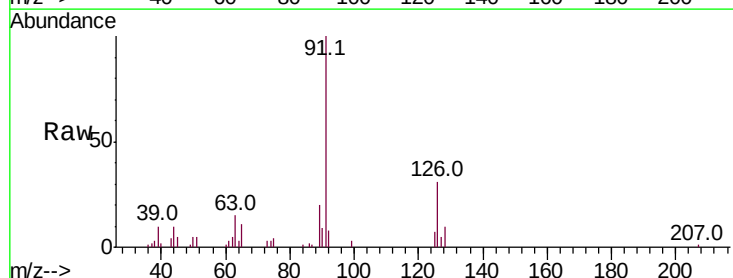
Acq: 30 Mar 2019 14:16

Tgt Ion:126 Resp: 6163

Ion Ratio Lower Upper

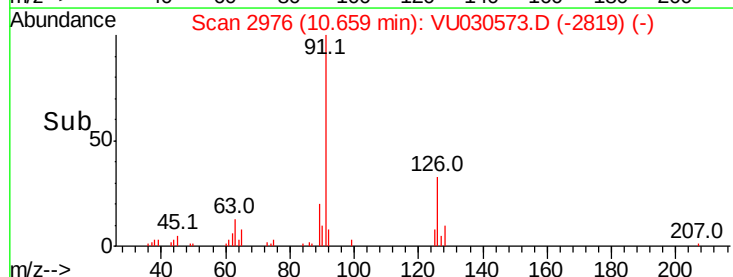
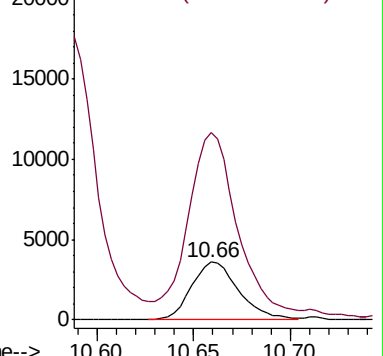
126 100

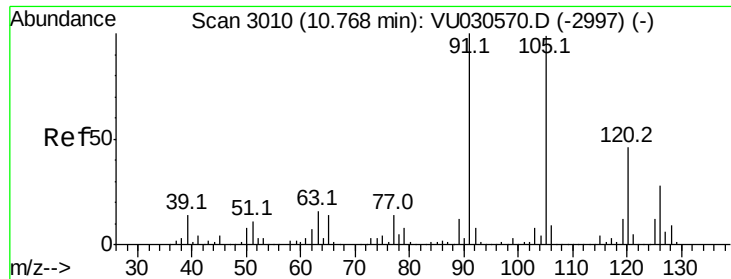
91 356.8 0.0 656.8



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: 0.368 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

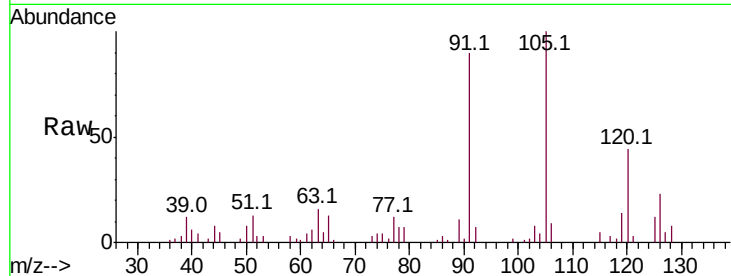
Tot Ion:105 Resp: 20523

Ion Ratio Lower Upper

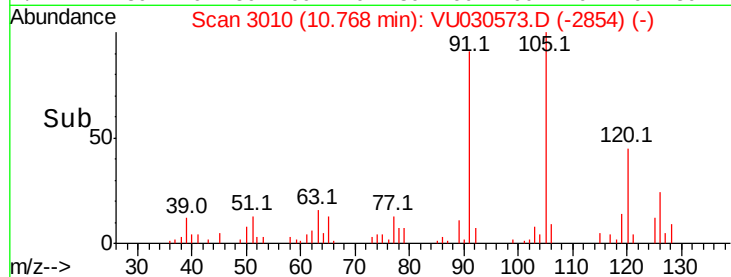
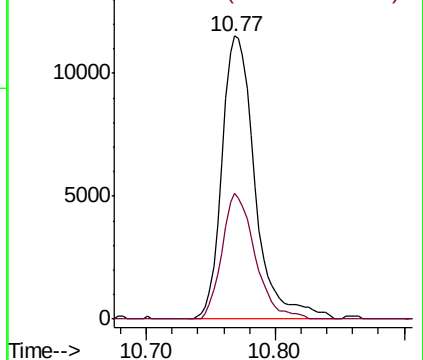
105 100

120 44.2 37.6 56.4

Manual Integrations
APPROVED

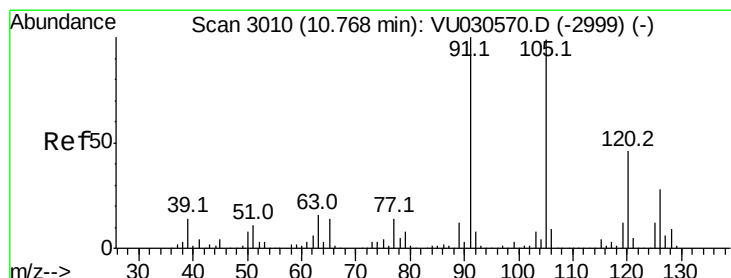


Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



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#76

4-Chlorotoluene

Concen: 0.390 ug/l

RT: 10.78 min Scan# 3013

Delta R.T. 0.01 min

Lab File: VU030573.D

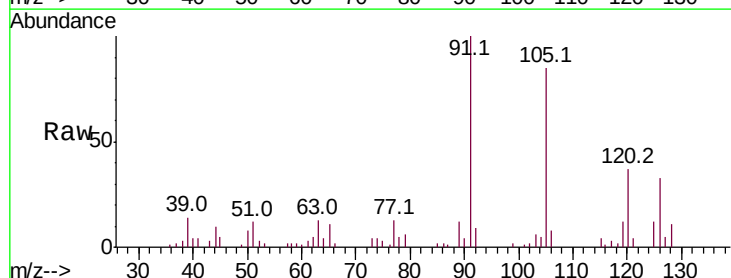
Acq: 30 Mar 2019 14:16

Tgt Ion:126 Resp: 6417

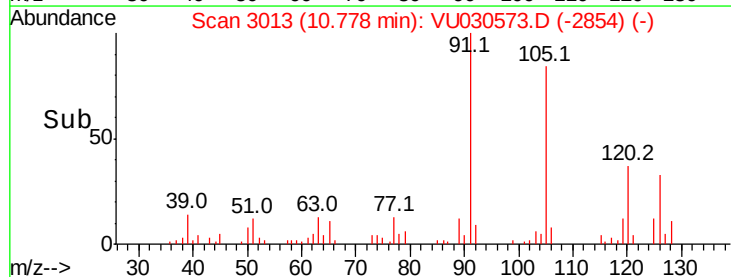
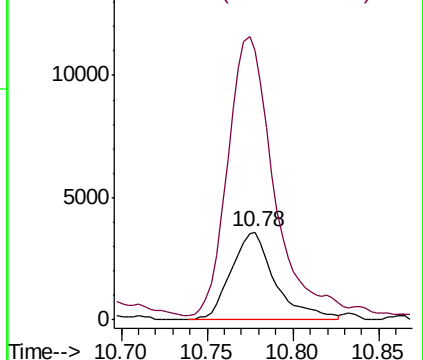
Ion Ratio Lower Upper

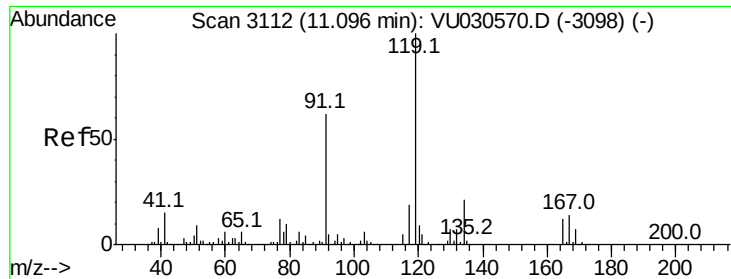
126 100

91 360.7 0.0 721.6



Abundance Ion 126.00 (125.70 to 126.70): V
Ion 91.00 (90.70 to 91.70): VU0



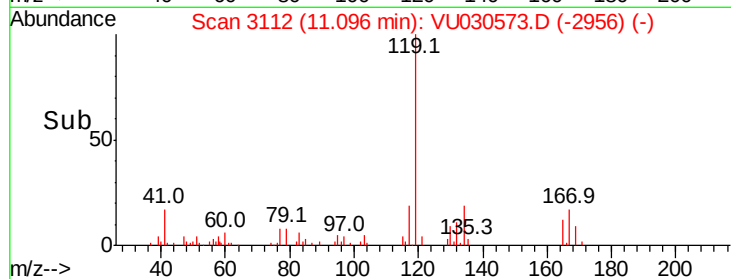
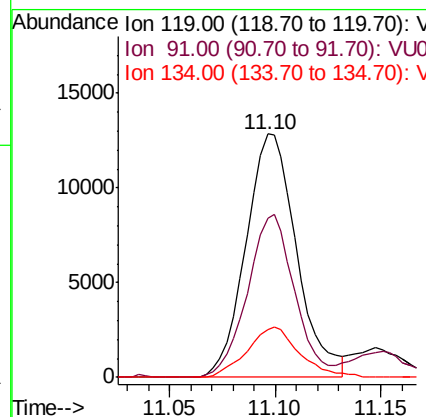
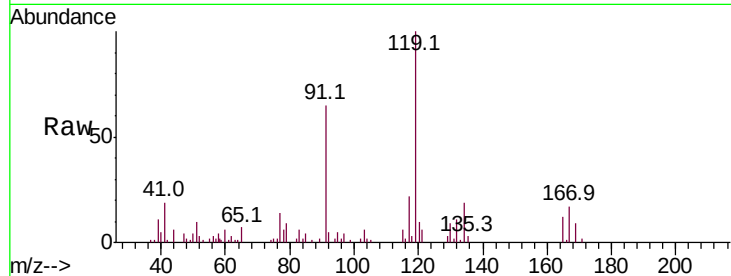


#77
tert-Butylbenzene
Concen: 0.396 ug/l
RT: 11.10 min Scan# 3112
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

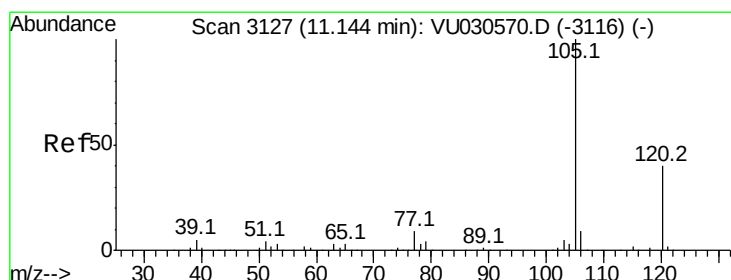
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.3	30.9	92.8
134	21.3	17.6	26.4

Manual Integrations
APPROVED



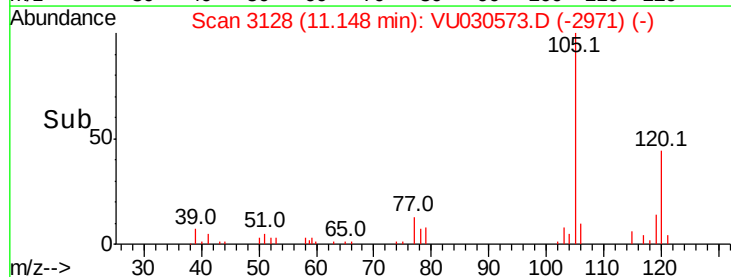
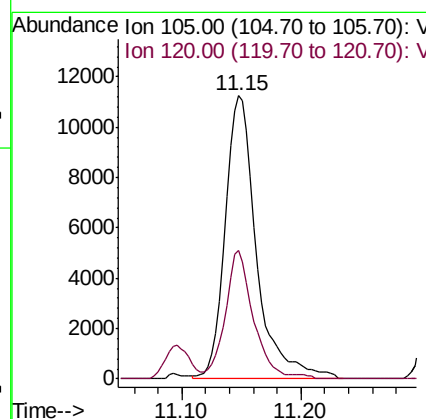
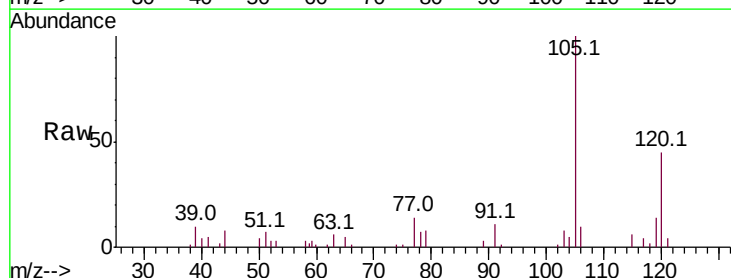
MMDadoda

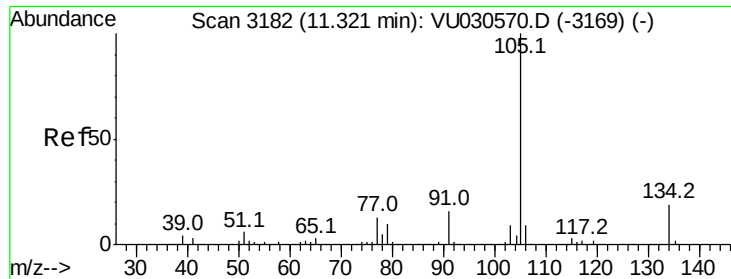
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#78
1,2,4-Trimethylbenzene
Concen: 0.363 ug/l
RT: 11.15 min Scan# 3128
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	37.8	22.1	66.5





#79

sec-Butylbenzene

Concen: 0.373 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

ClientSampled :

VSTDIC0.5

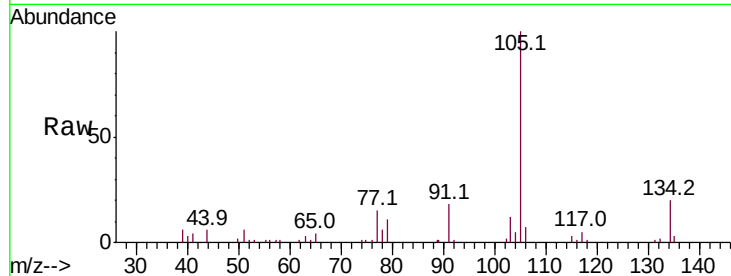
Tot Ion:105 Resp: 27125

Ion Ratio Lower Upper

105 100

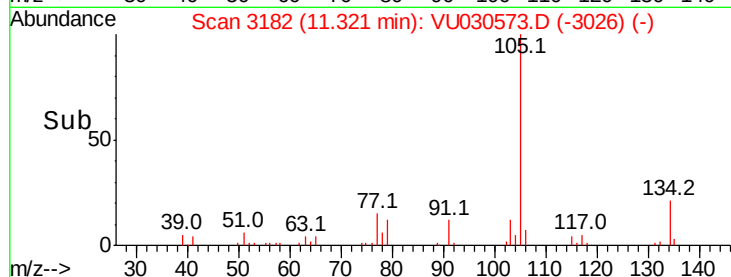
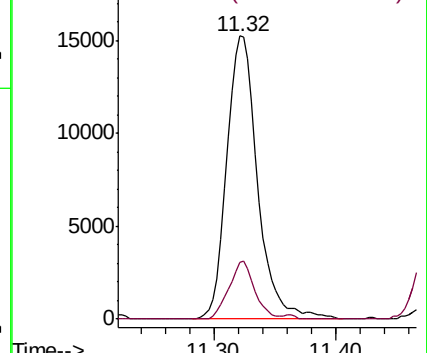
134 17.1 14.7 22.1

Manual Integrations
APPROVED



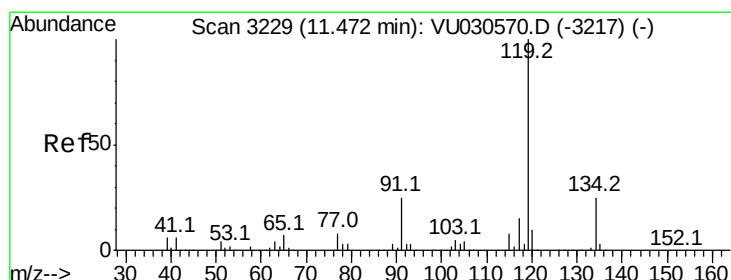
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



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#81

p-Isopropyltoluene

Concen: 0.339 ug/l

RT: 11.48 min Scan# 3230

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

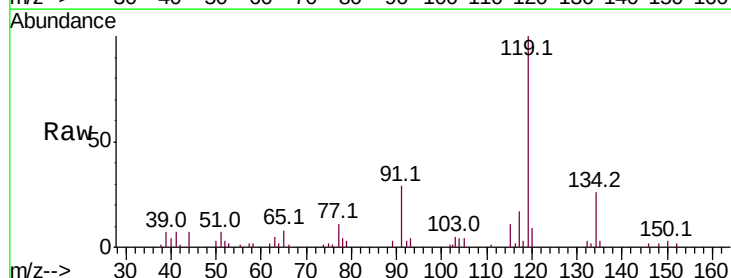
Tgt Ion:119 Resp: 20416

Ion Ratio Lower Upper

119 100

134 25.8 20.6 31.0

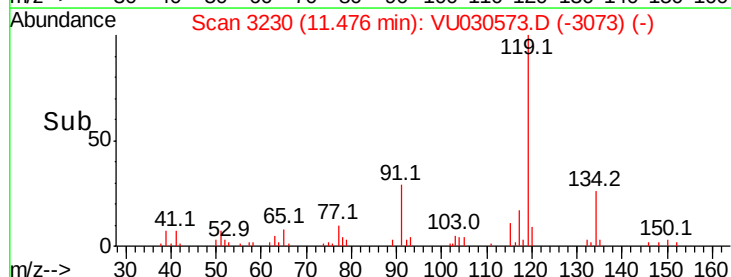
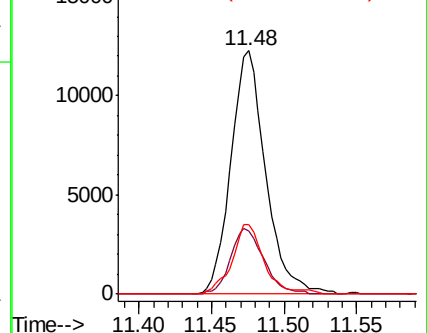
91 25.8 20.4 30.6

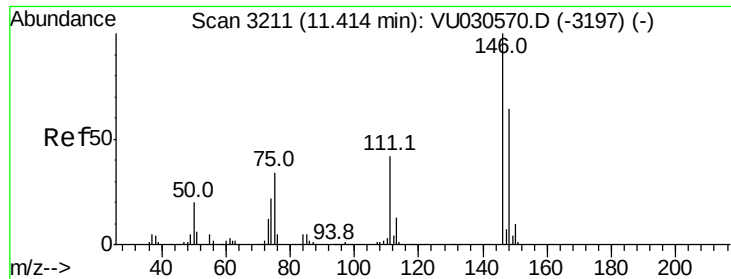


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#82

1,3-Dichlorobenzene

Concen: 0.423 ug/l

RT: 11.42 min Scan# 3213

Delta R.T. 0.01 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

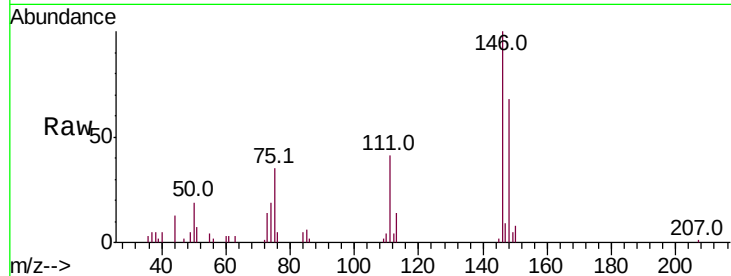
MSVOA_U

ClientSampleId :

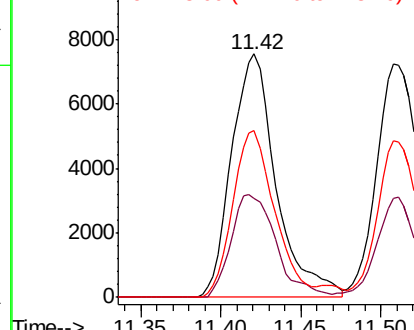
VSTDIC0.5

Tot Ion:146	Resp:	14361
Ion Ratio	Lower	Upper
146 100		
111 42.5	34.0	51.0
148 63.8	51.0	76.6

Manual Integrations
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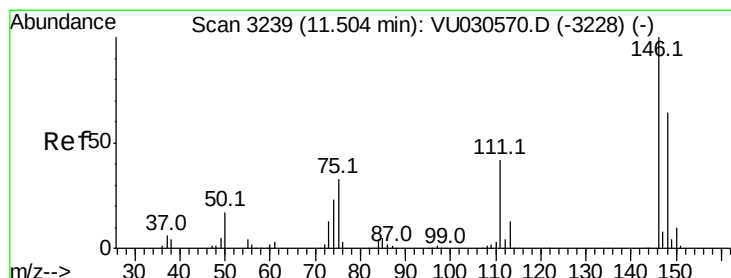
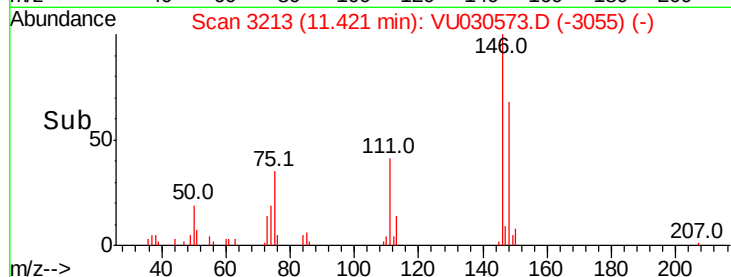


Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



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#83

1,4-Dichlorobenzene

Concen: 0.437 ug/l

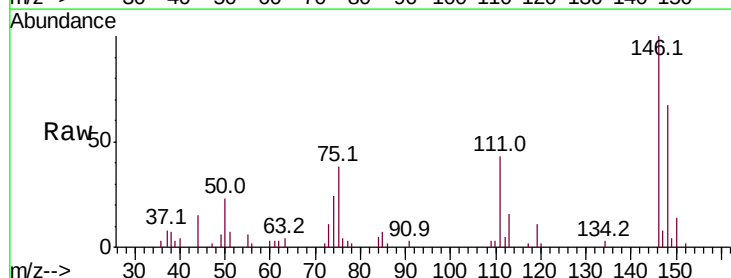
RT: 11.51 min Scan# 3240

Delta R.T. 0.00 min

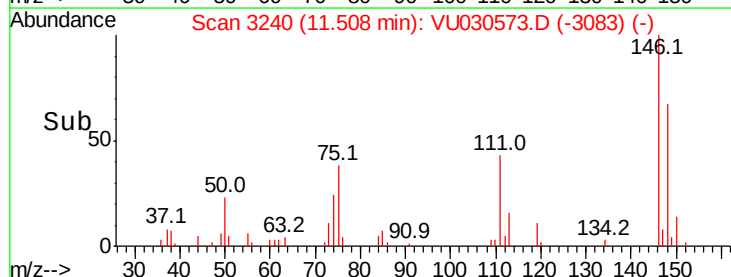
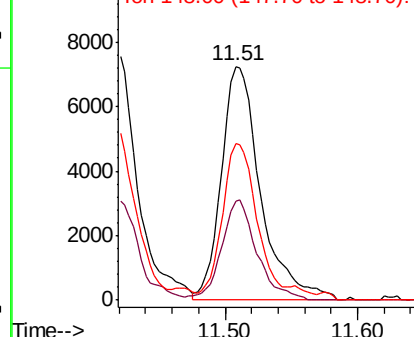
Lab File: VU030573.D

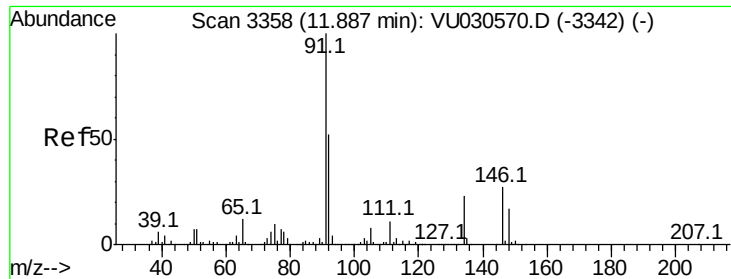
Acq: 30 Mar 2019 14:16

Tgt Ion:146	Resp:	14935
Ion Ratio	Lower	Upper
146 100		
111 38.5	32.8	49.2
148 53.1	50.5	75.7



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#84

n-Butylbenzene

Concen: 0.364 ug/l

RT: 11.89 min Scan# 3359

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 20609

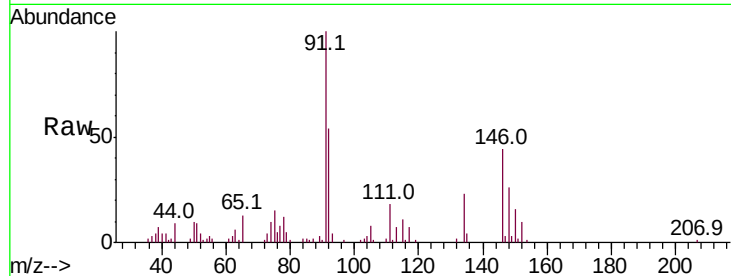
Ion Ratio Lower Upper

91 100

92 52.5 41.7 62.5

134 22.2 18.3 27.5

Manual Integrations
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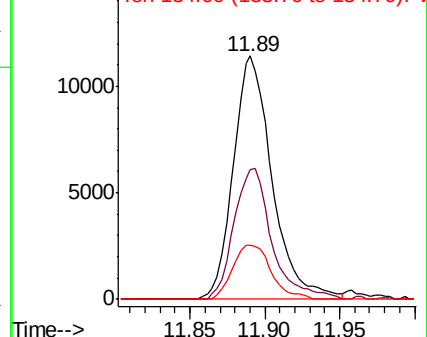


Abundance

Ion 91.00 (90.70 to 91.70): VU030570.D (-3342) (-)

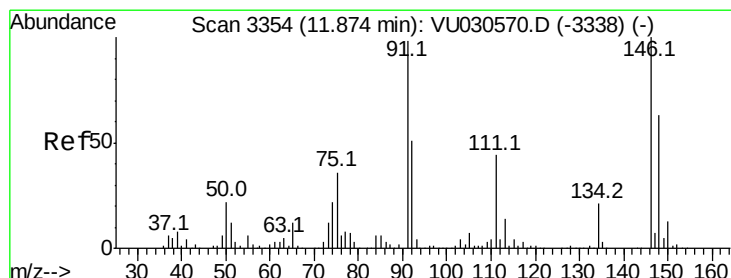
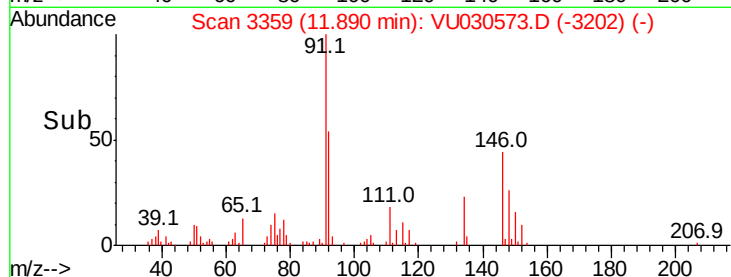
Ion 92.00 (91.70 to 92.70): VU030570.D (-3342) (-)

Ion 134.00 (133.70 to 134.70): VU030570.D (-3342) (-)



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#85

1,2-Dichlorobenzene

Concen: 0.439 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

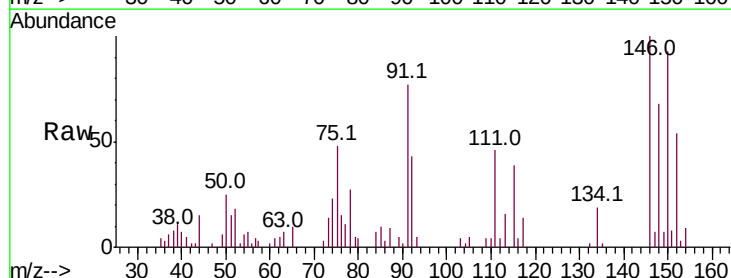
Tgt Ion: 146 Resp: 13919

Ion Ratio Lower Upper

146 100

111 45.8 21.9 65.5

148 63.5 31.5 94.5

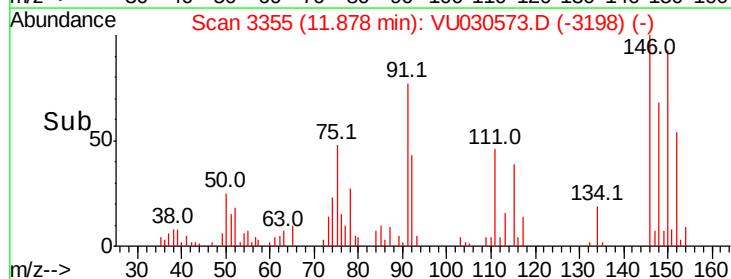
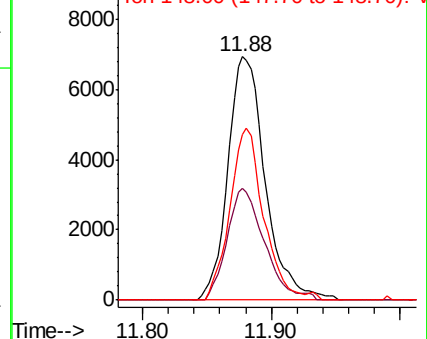


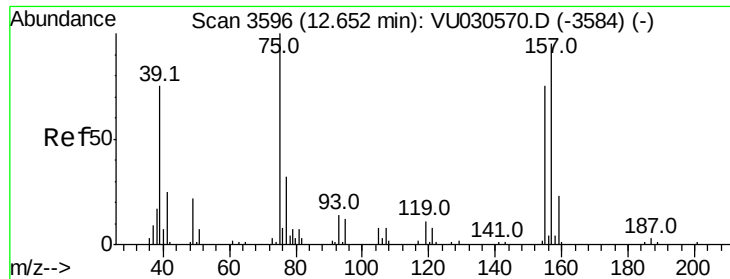
Abundance

Ion 146.00 (145.70 to 146.70): VU030573.D (-3198) (-)

Ion 111.00 (110.70 to 111.70): VU030573.D (-3198) (-)

Ion 148.00 (147.70 to 148.70): VU030573.D (-3198) (-)





#86

1,2-Dibromo-3-Chloropropane

Concen: 0.551 ug/l

RT: 12.67 min Scan# 3600

Delta R.T. 0.01 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 75 Resp: 1070

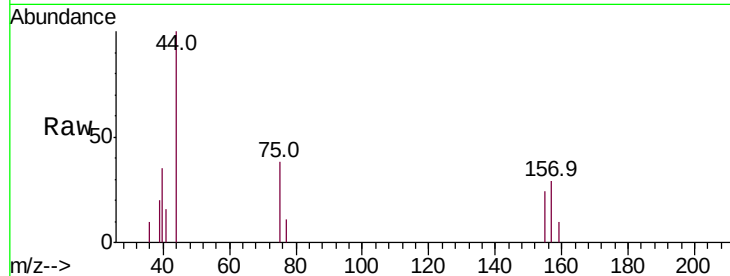
Ion Ratio Lower Upper

75 100

155 53.3 59.7 89.5#

157 71.6 73.7 110.5#

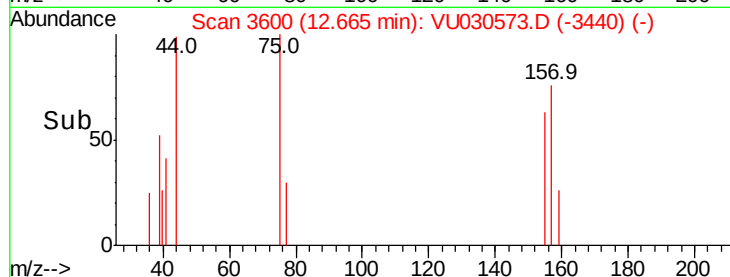
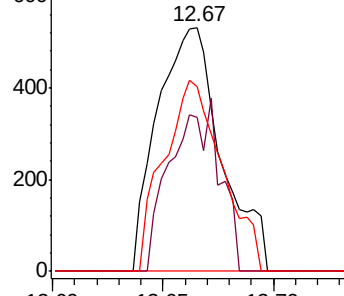
Manual Integrations
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Abundance Ion 75.00 (74.70 to 75.70): VU030573.D (-3584) (-)

Ion 155.00 (154.70 to 155.70): VU030573.D (-3584) (-)

Ion 157.00 (156.70 to 157.70): VU030573.D (-3584) (-)



#87

1,2,4-Trichlorobenzene

Concen: 0.336 ug/l

RT: 13.51 min Scan# 3863

Delta R.T. 0.01 min

Lab File: VU030573.D

Acq: 30 Mar 2019 14:16

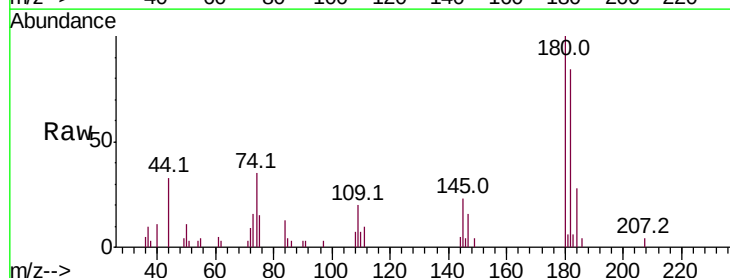
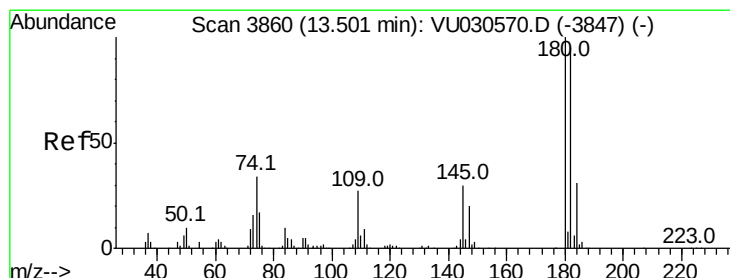
Tgt Ion: 180 Resp: 7462

Ion Ratio Lower Upper

180 100

182 92.9 76.0 114.0

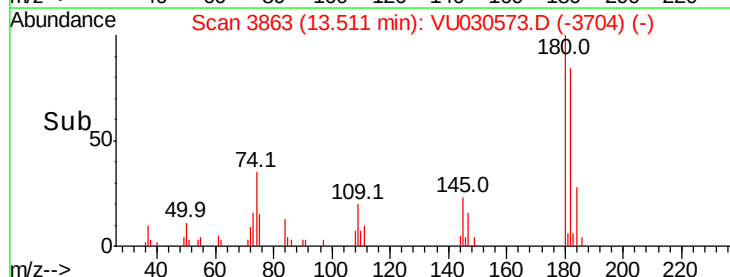
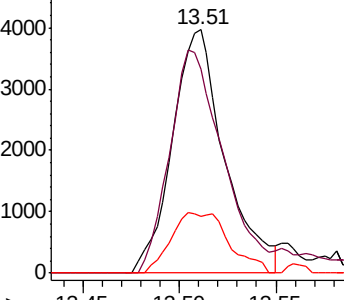
145 27.2 24.3 36.5

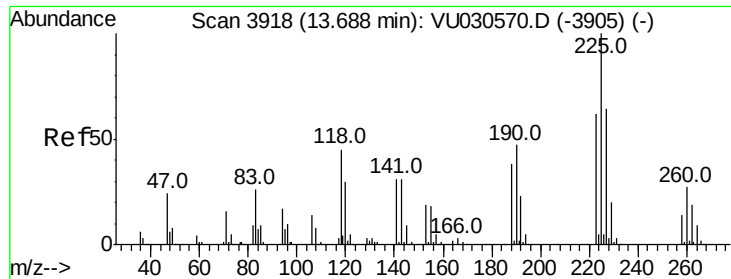


Abundance Ion 179.70 (179.40 to 180.40): VU030573.D (-3847) (-)

Ion 181.80 (181.50 to 182.50): VU030573.D (-3847) (-)

Ion 144.80 (144.50 to 145.50): VU030573.D (-3847) (-)



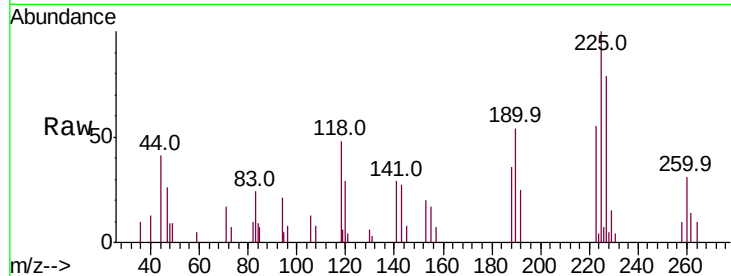


#88
Hexachlorobutadiene
Concen: 0.401 ug/l
RT: 13.69 min Scan# 3919
Delta R.T. 0.00 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
225	100		
223	66.0	50.7	76.1
227	71.1	50.8	76.2

Manual Integrations
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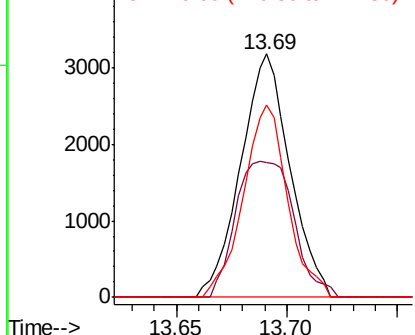


Abundance

Ion 224.60 (224.30 to 225.30): V

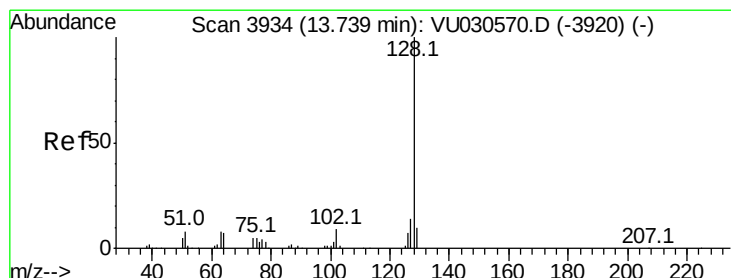
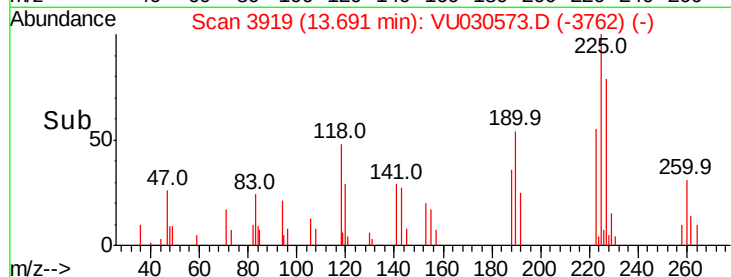
Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V



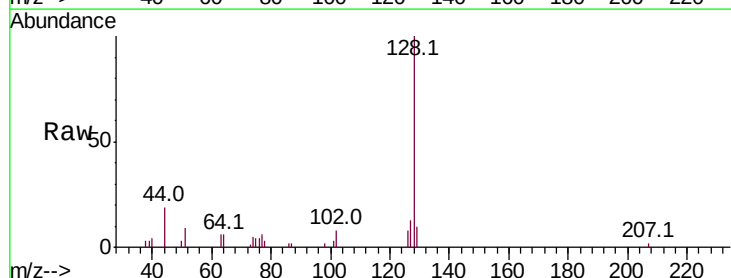
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#89
Naphthalene
Concen: 0.486 ug/l
RT: 13.75 min Scan# 3937
Delta R.T. 0.01 min
Lab File: VU030573.D
Acq: 30 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.8	10.4	15.6
129	8.7	7.8	11.8

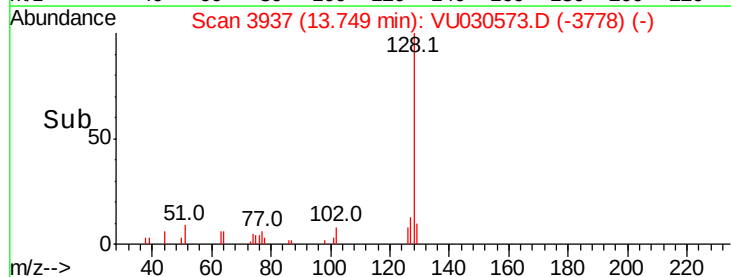
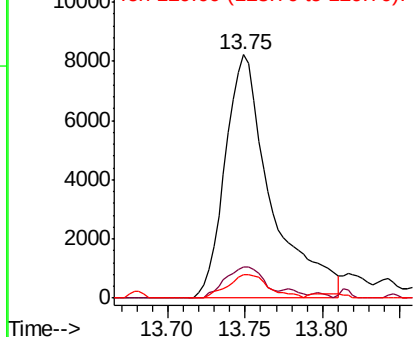


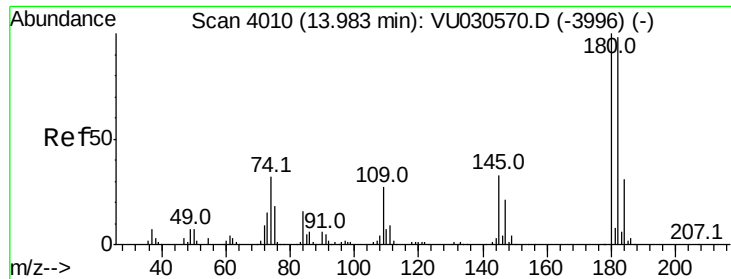
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



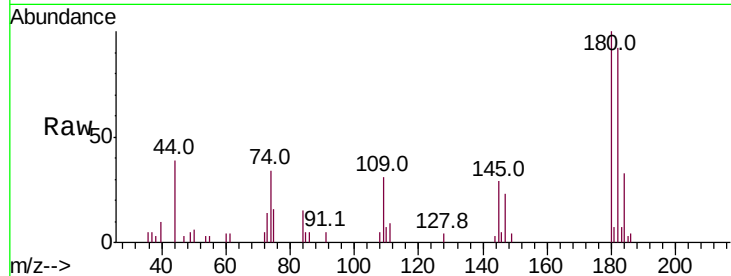


#90
 1,2,3-Trichlorobenzene
 Concen: 0.368 ug/l
 RT: 13.99 min Scan# 4013
 Delta R.T. 0.01 min
 Lab File: VU030573.D
 Acq: 30 Mar 2019 14:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	76.6	114.8
145	35.7	25.9	38.9

Manual Integrations
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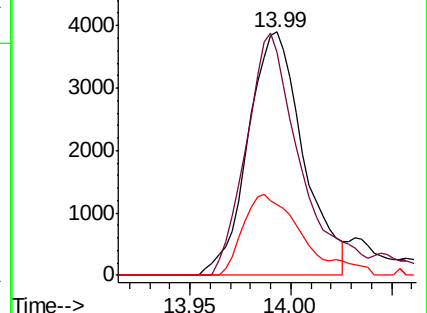
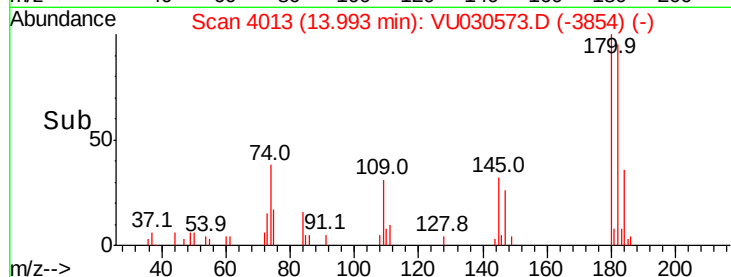


Abundance

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



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