

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033119\
 Data File : VU030574.D
 Acq On : 30 Mar 2019 14:44
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Quant Time: Mar 31 01:08:07 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	49705	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	19593	1.07	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	18341	0.91	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.00%	

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Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	20295	1.075	ug/l 99
3) Chloromethane	1.33	50	28485	1.315	ug/l 96
4) Vinyl Chloride	1.40	62	23101	1.228	ug/l 99
5) Bromomethane	1.63	94	9572	0.933	ug/l 97
6) Chloroethane	1.70	64	12843	1.192	ug/l 98
7) Trichlorofluoromethane	1.88	101	25002	1.054	ug/l 100
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	12908	1.016	ug/l 94
9) 1,1-Dichloroethene	2.28	96	12779	1.014	ug/l 92
10) Iodomethane	2.41	142	4592	0.424	ug/l 94
11) Allyl Chloride	2.59	41	28536	1.461	ug/l 99
12) Acrylonitrile	2.93	53	8222	2.868	ug/l # 89
13) Acetone	2.32	43	18789	7.410	ug/l 94
14) Carbon Disulfide	2.47	76	47575	1.073	ug/l 99
15) Methylene Chloride	2.69	84	17988	1.190	ug/l 94
16) trans-1,2-Dichloroethene	2.97	96	15101	1.042	ug/l 92
17) 1,1-Dichloroethane	3.43	63	29853	1.175	ug/l 99
18) 2-Butanone	4.29	43	22207	6.314	ug/l 100
19) Cyclohexane	4.98	56	24985m	1.143	ug/l
20) Methylcyclohexane	6.41	83	20890	0.905	ug/l 99
21) 2,2-Dichloropropane	4.22	77	22643	1.074	ug/l 97
22) cis-1,2-Dichloroethene	4.22	96	16021	0.998	ug/l 94
23) Diethyl Ether	2.10	59	12295	1.247	ug/l 94
24) tert-Butyl Alcohol	2.84	59	14287	13.579	ug/l 98
25) Methyl tert-Butyl Ether	3.00	73	38710	1.181	ug/l 97
26) Bromochloromethane	4.55	128	6353	0.920	ug/l 99
27) Chloroform	4.67	83	27711	1.051	ug/l 98
28) 1,1,1-Trichloroethane	4.91	97	22906	1.065	ug/l 99
29) 1,1-Dichloropropene	5.13	75	20185	1.032	ug/l 97
30) Carbon Tetrachloride	5.13	117	18678	0.979	ug/l 97
31) Isopropyl Ether	3.58	45	49749	1.339	ug/l 100
32) Ethyl-t-butyl ether	4.07	59	37931	1.103	ug/l 97
33) Tert-Amyl methyl ether	5.58	73	29979	0.970	ug/l 97
34) Propionitrile	4.35	54	6233	6.392	ug/l # 79
35) Benzene	5.38	78	59532	1.037	ug/l 96
36) 1,2-Dichloroethane	5.41	62	19603	1.243	ug/l 97
37) Trichloroethene	6.18	130	14881	0.930	ug/l 84
38) 1,2-Dichloropropane	6.43	63	17054	1.149	ug/l 98
39) Methacrylonitrile	4.56	41	5732	1.322	ug/l # 83
40) Methyl acrylate	4.45	55	7440	1.127	ug/l # 93
41) Tetrahydrofuran	4.66	42	6822	2.895	ug/l # 88
42) 1-Chlorobutane	5.06	56	29577	1.118	ug/l 96

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 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

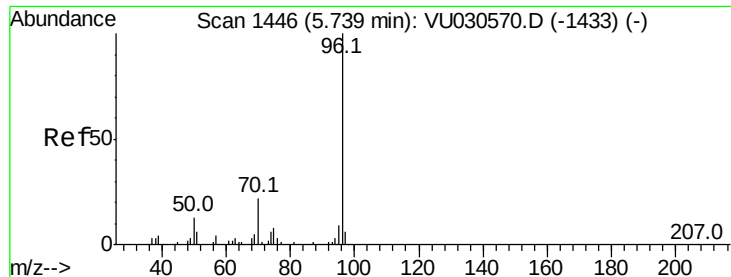
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Quant Time: Mar 31 01:08:07 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	7597	1.010	ug/l	97
44) Bromodichloromethane	6.75	83	20704	1.140	ug/l	100
45) 4-Methyl-2-Pentanone	7.47	43	51677	6.520	ug/l	96
46) t-1,4-Dichloro-2-butene	10.51	75	6601m	2.272	ug/l	
47) Methyl methacrylate	6.63	69	11985	1.881	ug/l	99
48) Ethyl methacrylate	8.03	69	11264	0.942	ug/l	96
49) Toluene	7.63	92	30854	0.905	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	16605	1.026	ug/l	90
51) cis-1,3-Dichloropropene	7.27	75	19821	0.982	ug/l	94
52) 1,1,2-Trichloroethane	8.07	97	10308	0.980	ug/l	94
53) 1,3-Dichloropropane	8.24	76	18203	1.017	ug/l	94
54) 2-Hexanone	8.37	43	33586	5.942	ug/l	97
55) Dibromochloromethane	8.48	129	12620	1.008	ug/l	98
56) 1,2-Dibromoethane	8.59	107	9287	0.927	ug/l	96
58) Tetrachloroethene	8.22	164	12754	0.879	ug/l	96
59) Chlorobenzene	9.12	112	33012	0.854	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	13894	1.025	ug/l	99
61) Pentachloroethane	11.10	117	10529	0.998	ug/l	94
62) Hexachloroethane	12.14	117	8811	0.853	ug/l	99
63) Ethyl Benzene	9.25	91	59315	0.921	ug/l	97
64) m/p-Xylenes	9.37	106	43394	1.744	ug/l	91
65) o-Xylene	9.78	106	21113	0.866	ug/l	99
66) Styrene	9.79	104	33583	0.834	ug/l	98
67) Bromoform	9.96	173	6790	0.957	ug/l #	98
69) Isopropylbenzene	10.16	105	56053	0.874	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	15613	1.185	ug/l #	98
71) 1,2,3-Trichloropropane	10.49	75	10938m	1.144	ug/l	
72) Bromobenzene	10.45	156	14804	0.899	ug/l	91
73) n-propylbenzene	10.58	120	14146	0.787	ug/l	94
74) 2-Chlorotoluene	10.66	126	13516	0.855	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	46389	0.852	ug/l	98
76) 4-Chlorotoluene	10.77	126	13710	0.853	ug/l	95
77) tert-Butylbenzene	11.10	119	44996	0.849	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	44634	0.808	ug/l	99
79) sec-Butylbenzene	11.32	105	60274	0.848	ug/l	99
81) p-Isopropyltoluene	11.47	119	44735	0.760	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	28942	0.872	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	28538	0.855	ug/l	97
84) n-Butylbenzene	11.89	91	44385	0.802	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	27586	0.891	ug/l	95
86) 1,2-Dibromo-3-Chloropropan	12.66	75	2157	1.137	ug/l	89
87) 1,2,4-Trichlorobenzene	13.51	180	14801	0.683	ug/l	97
88) Hexachlorobutadiene	13.69	225	9572	0.798	ug/l	96
89) Naphthalene	13.75	128	21615	0.635	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	13352	0.676	ug/l	96

(#) = 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: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

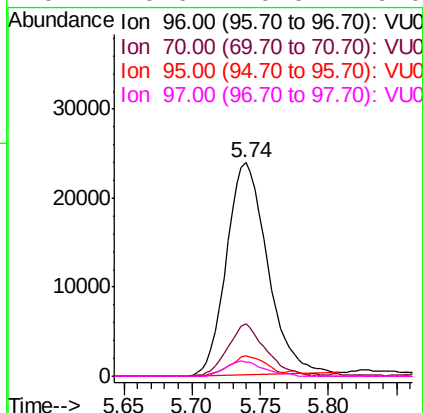
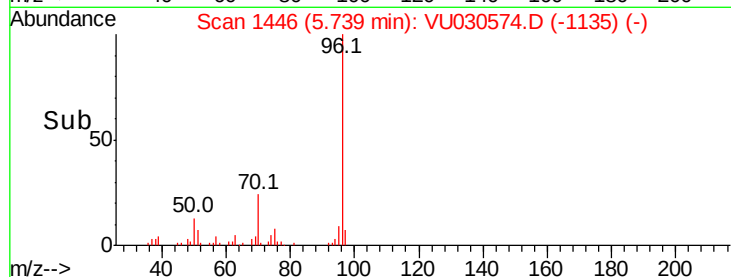
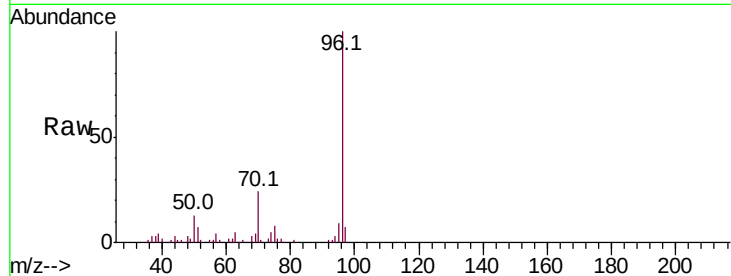
MSVOA_U

ClientSampleId :

VSTDIC001

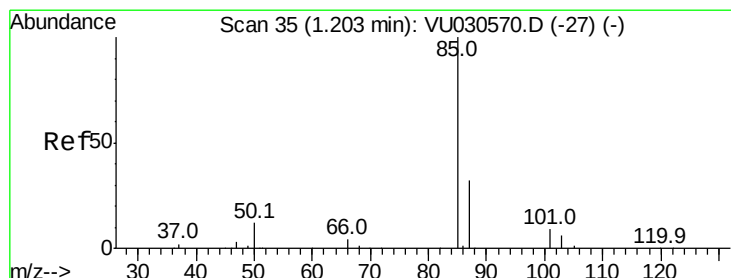
Tot Ion	Ion	Ratio	Lower	Upper
96	100			
70	22.4	15.6	23.4	
95	6.9	7.3	10.9	
97	6.6	0.0	0.0	

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 1.075 ug/l

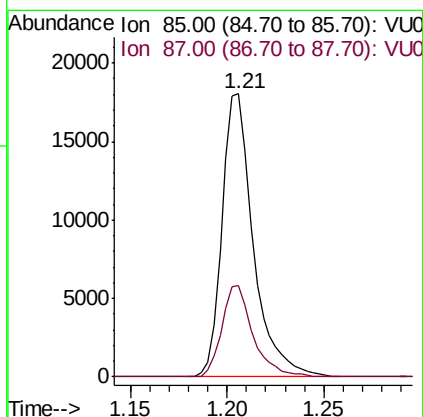
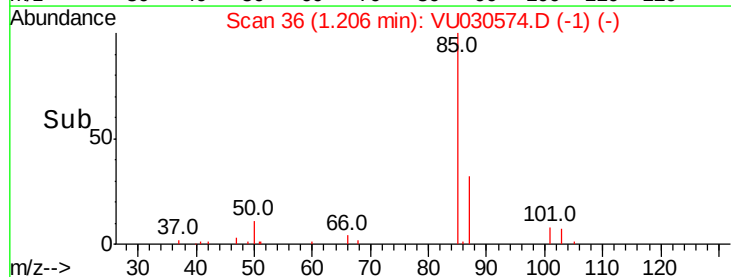
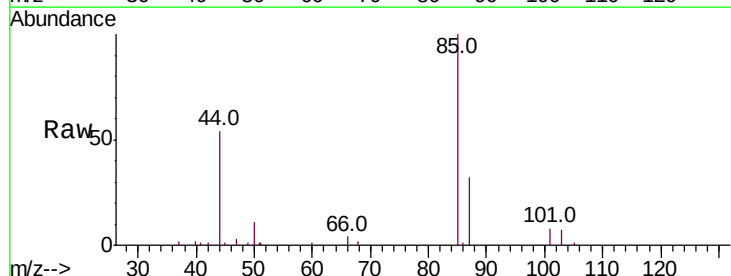
RT: 1.21 min Scan# 36

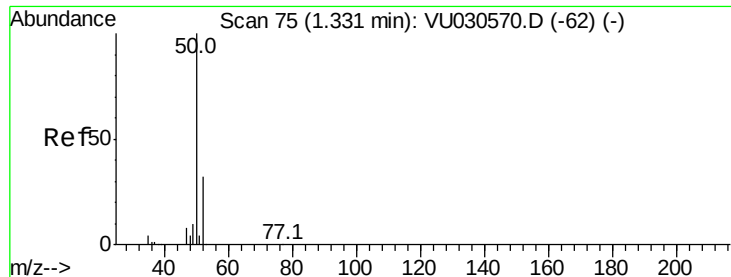
Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Tgt Ion	Ion	Ratio	Lower	Upper
85	100			
87	32.4	15.9	47.6	





#3

Chloromethane

Concen: 1.315 ug/l

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

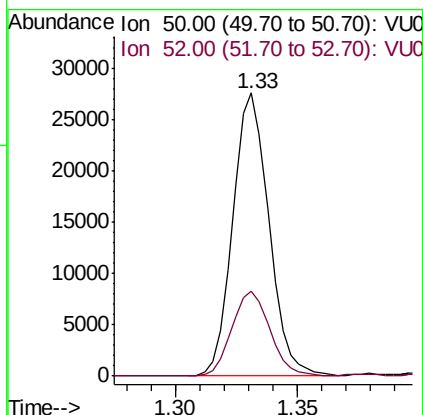
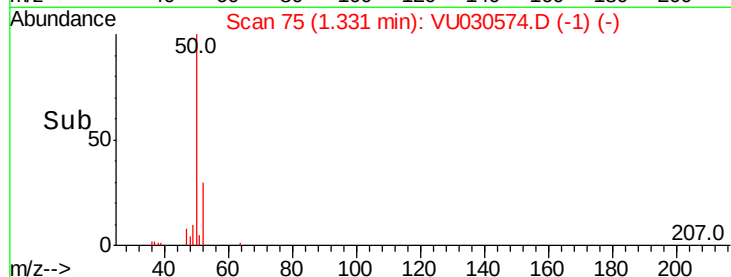
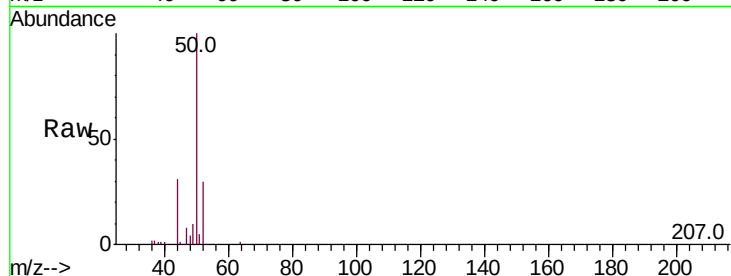
Tot Ion: 50 Resp: 28485

Ion Ratio Lower Upper

50 100

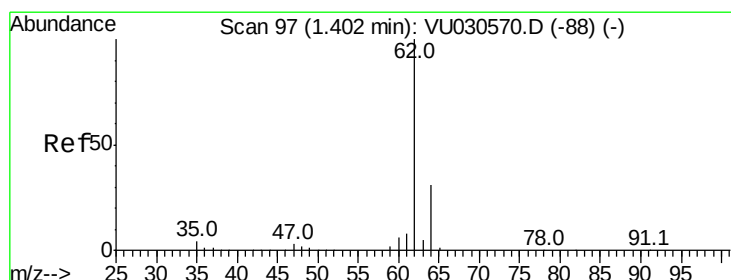
52 30.0 25.8 38.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 1.228 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030574.D

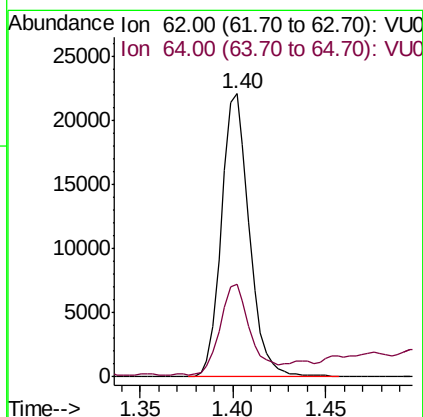
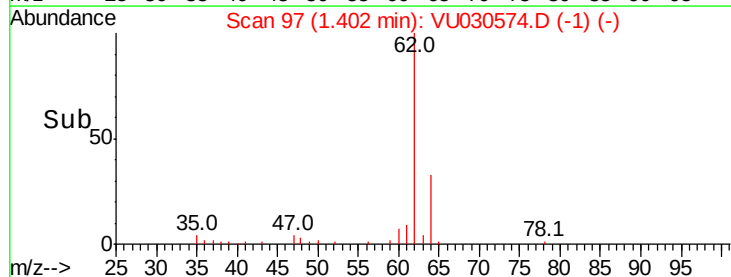
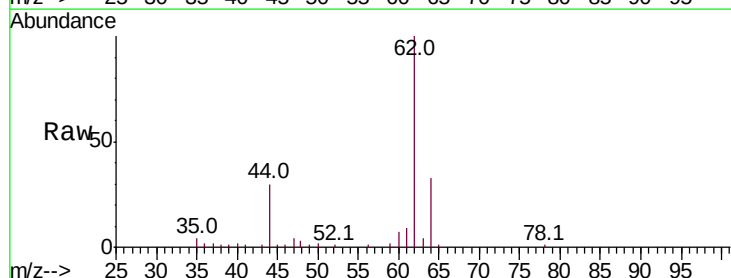
Acq: 30 Mar 2019 14:44

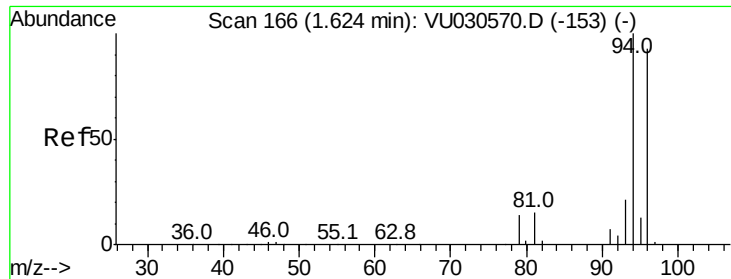
Tgt Ion: 62 Resp: 23101

Ion Ratio Lower Upper

62 100

64 32.1 25.1 37.7





#5

Bromomethane

Concen: 0.933 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

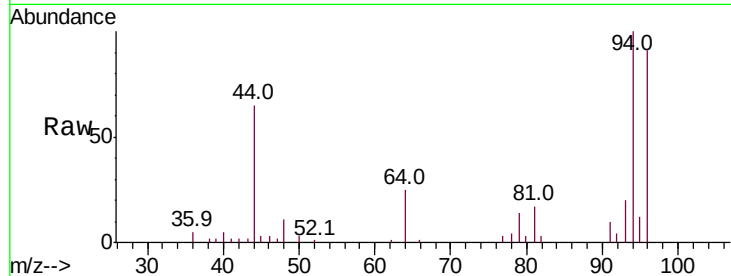
Tot Ion: 94 Resp: 9572

Ion Ratio Lower Upper

94 100

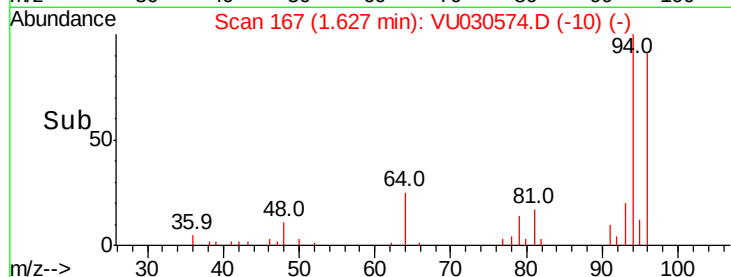
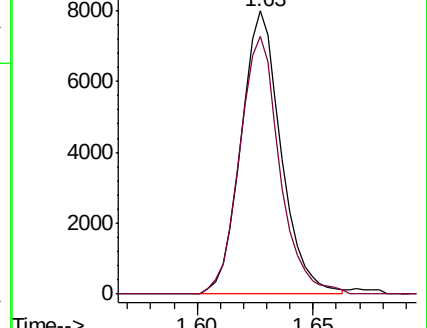
96 91.0 74.8 112.2

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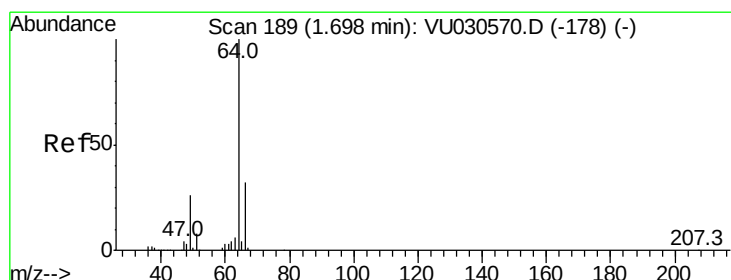
Abundance Ion 94.00 (93.70 to 94.70): VU030570.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU030570.D (-153) (-)



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#6

Chloroethane

Concen: 1.192 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU030574.D

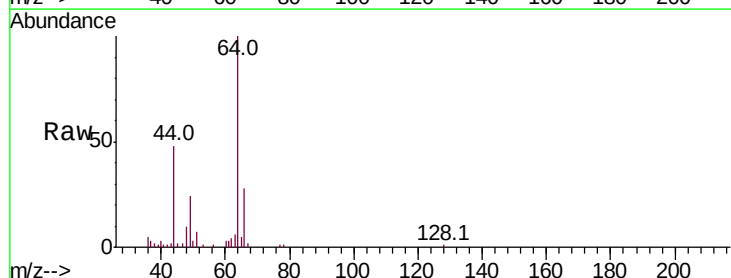
Acq: 30 Mar 2019 14:44

Tgt Ion: 64 Resp: 12843

Ion Ratio Lower Upper

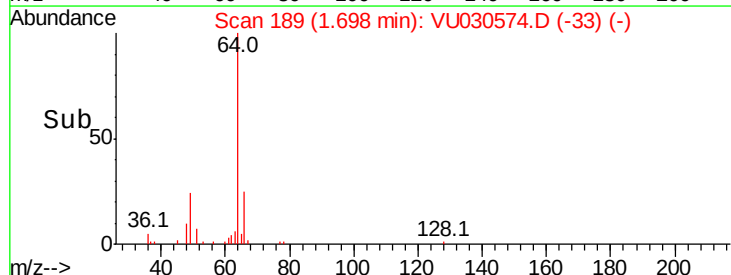
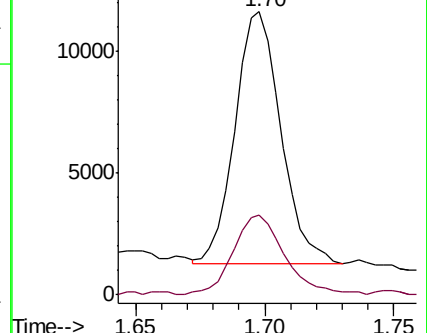
64 100

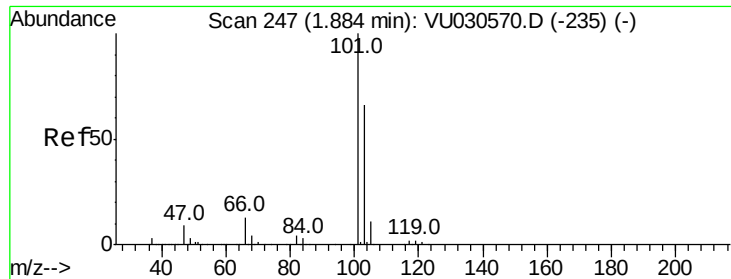
66 30.8 25.5 38.3



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

Ion 66.00 (65.70 to 66.70): VU030570.D (-178) (-)





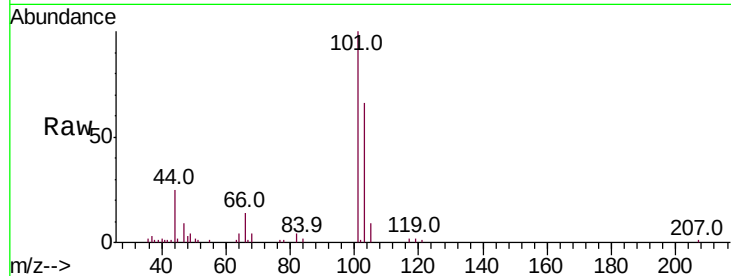
#7

Trichlorofluoromethane
Concen: 1.054 ug/l
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

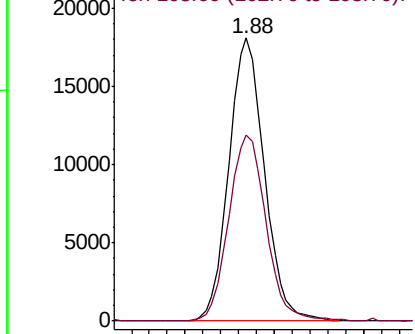
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	52.6	79.0

Manual Integrations
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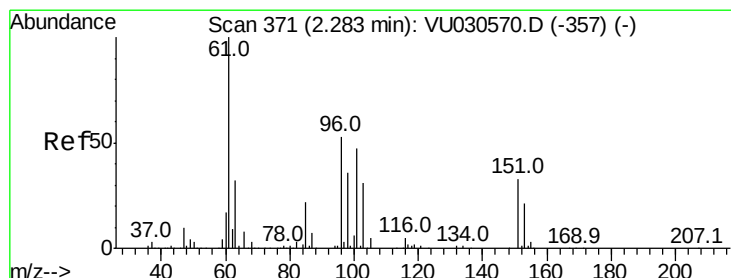
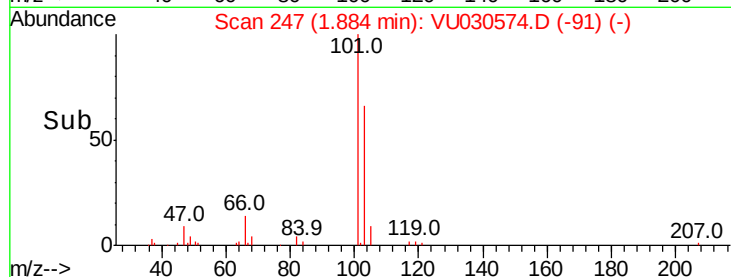


Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



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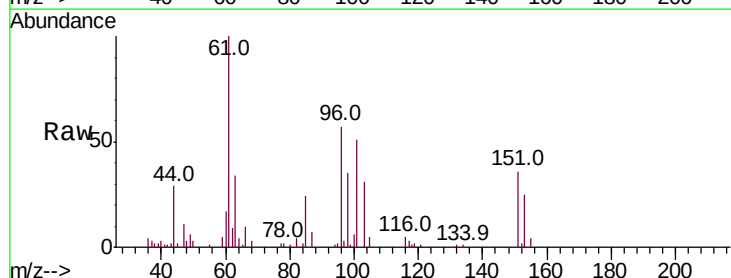
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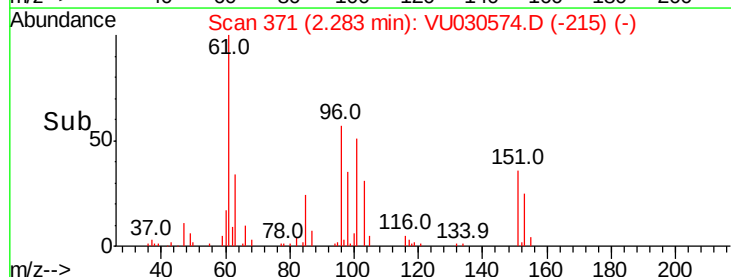
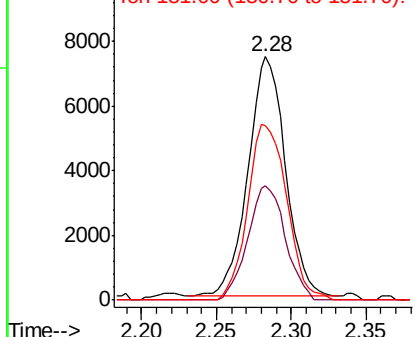
#8

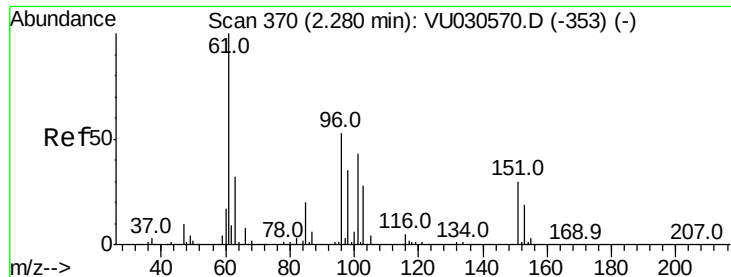
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.016 ug/l
RT: 2.28 min Scan# 371
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
101	100		
85	47.7	36.5	54.7
151	76.4	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: 1.014 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 96 Resp: 12779

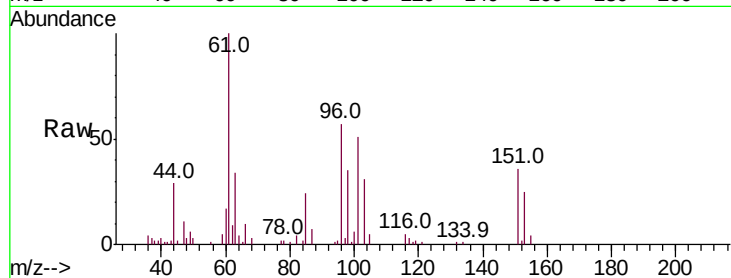
Ion Ratio Lower Upper

96 100

61 175.3 0.0 567.0

98 62.1 0.0 132.2

Manual Integrations
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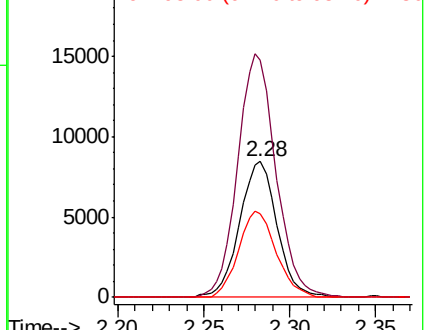


Abundance

Ion 96.00 (95.70 to 96.70): VU0

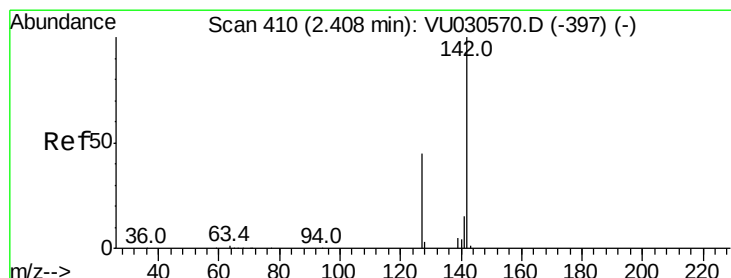
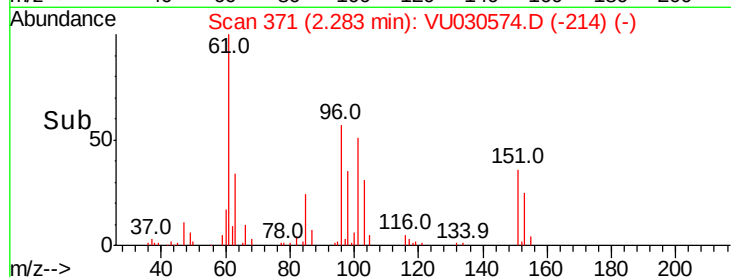
Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



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#10

Iodomethane

Concen: 0.424 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU030574.D

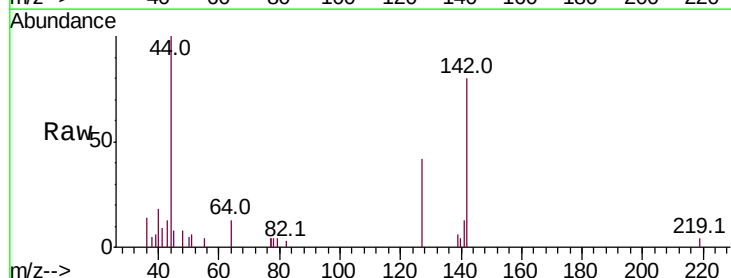
Acq: 30 Mar 2019 14:44

Tgt Ion: 142 Resp: 4592

Ion Ratio Lower Upper

142 100

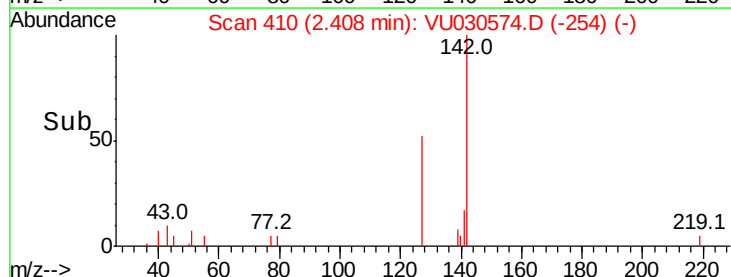
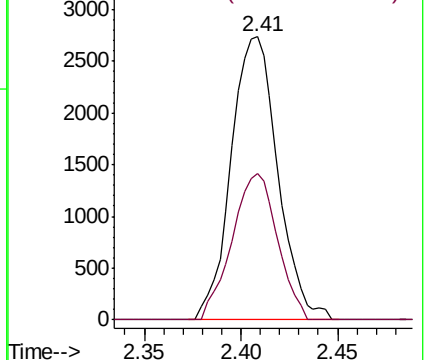
127 50.1 36.8 55.2

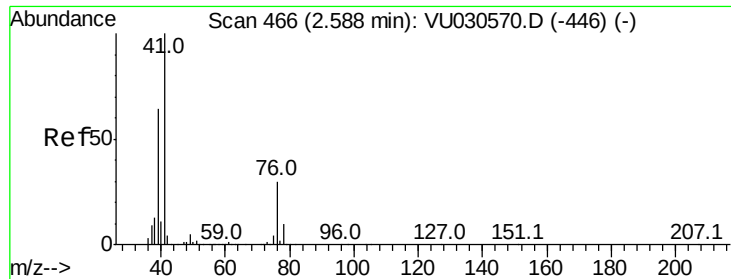


Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V



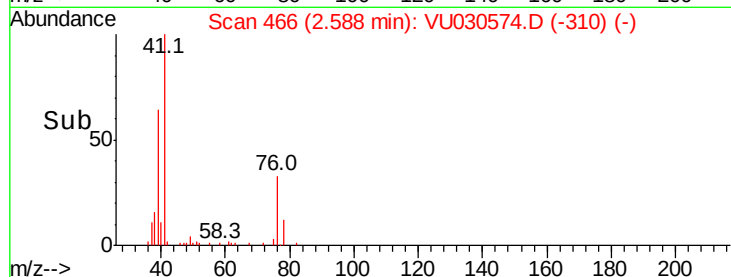
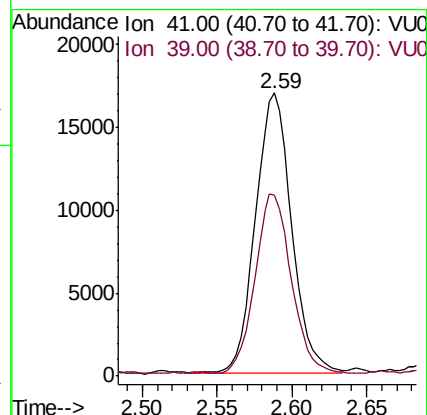
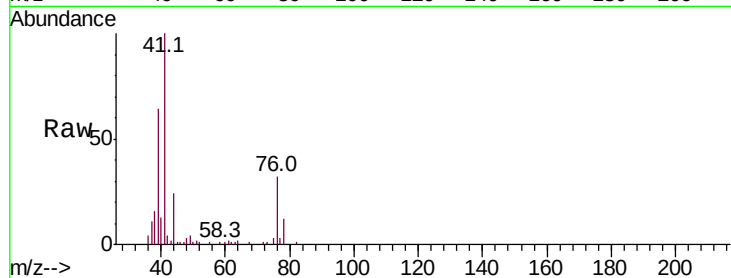


#11
Allvl Chloride
Concen: 1.461 ug/l
RT: 2.59 min Scan# 466
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

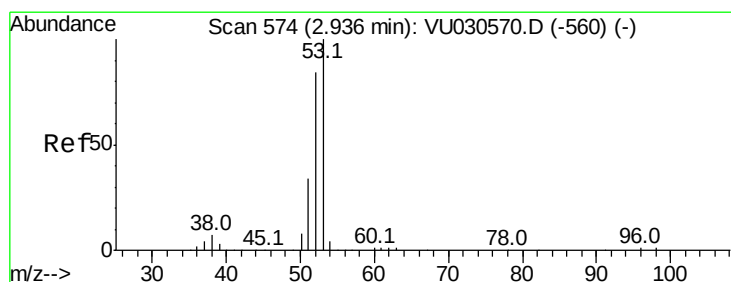
Tot Ion	Ratio	Lower	Upper
41	100		
39	64.0	51.8	77.6

Manual Integrations
APPROVED



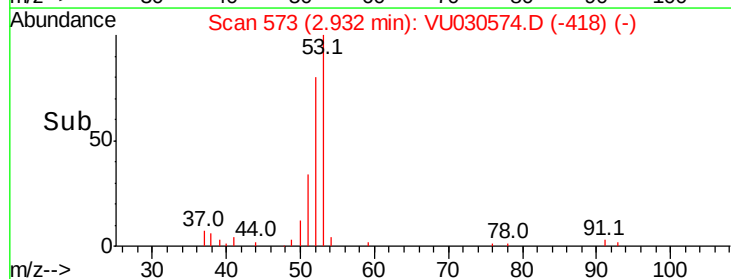
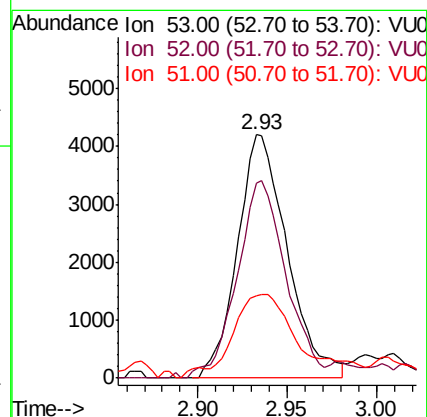
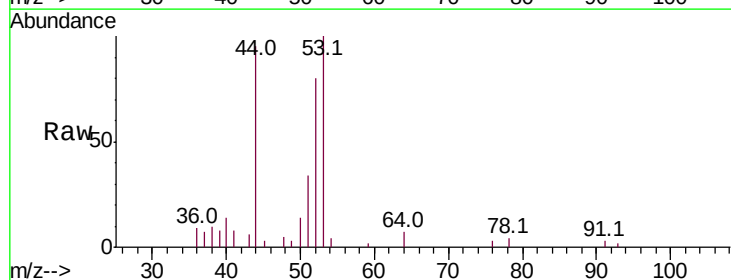
MM Dadoda

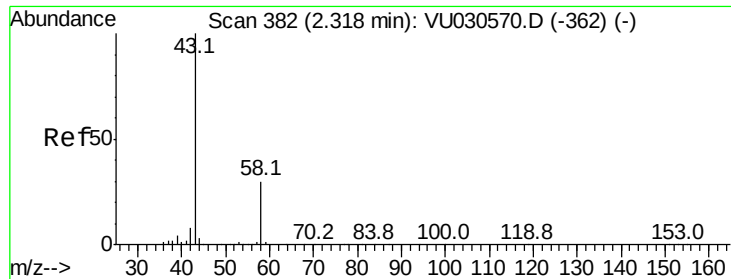
4/5/2019 2:38:42 PM



#12
Acrylonitrile
Concen: 2.868 ug/l
RT: 2.93 min Scan# 573
Delta R.T. -0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
53	100		
52	79.0	69.1	103.7
51	46.1	27.9	41.9#



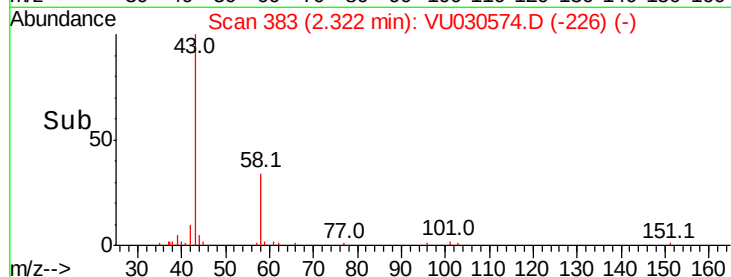
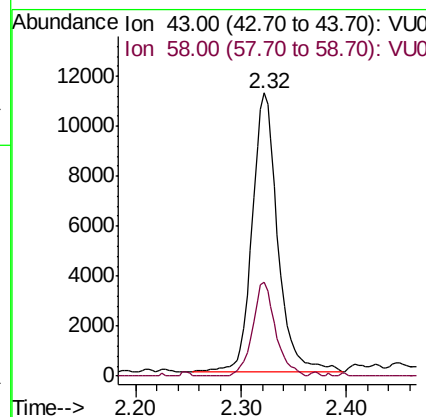
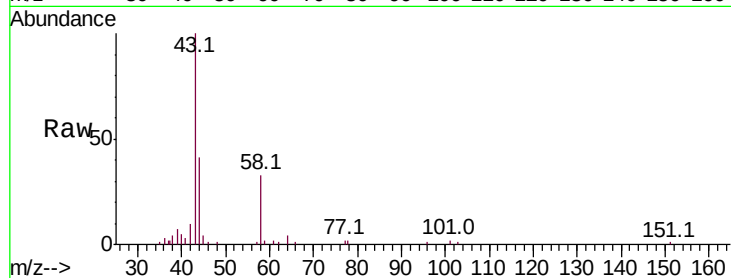


#13
Acetone
Concen: 7.410 ug/l
RT: 2.32 min Scan# 383
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

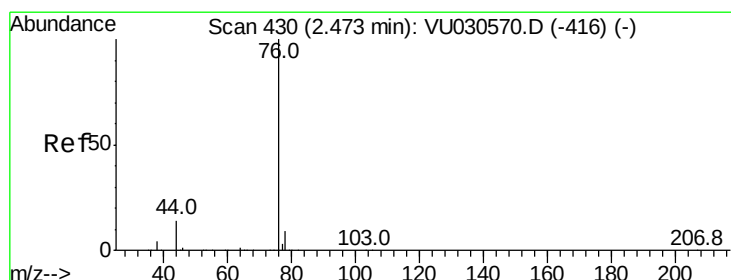
Tot Ion: 43 Resp: 18789
Ion Ratio Lower Upper
43 100
58 33.5 24.2 36.4

Manual Integrations
APPROVED



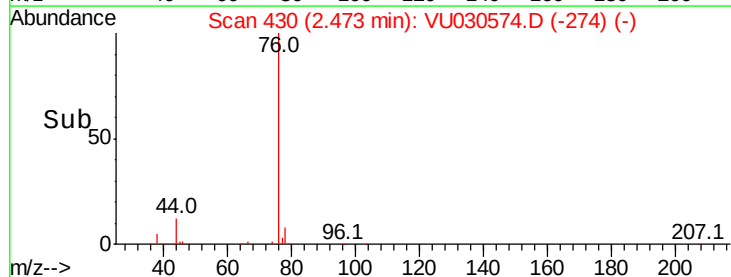
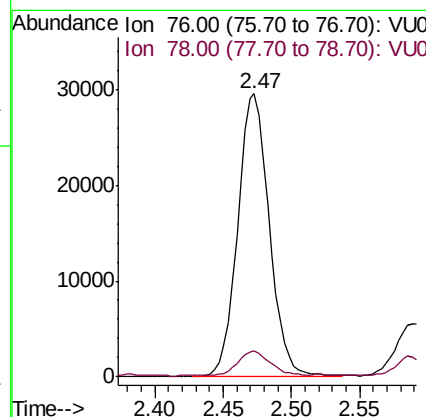
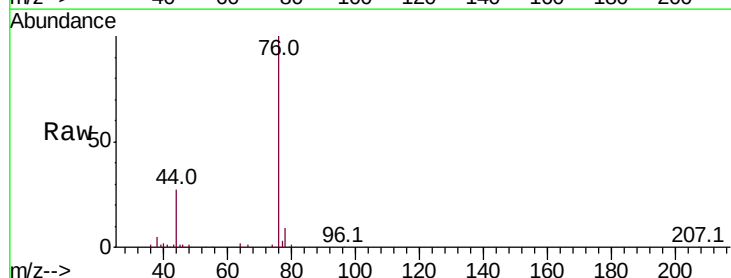
MMDadoda

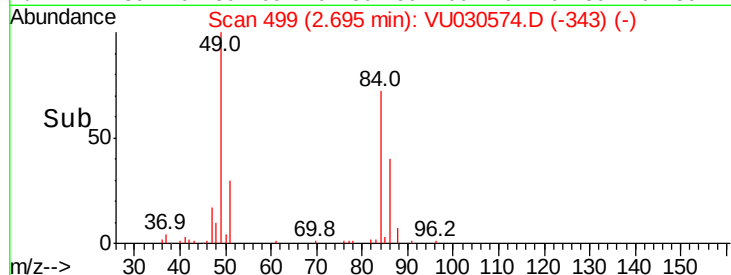
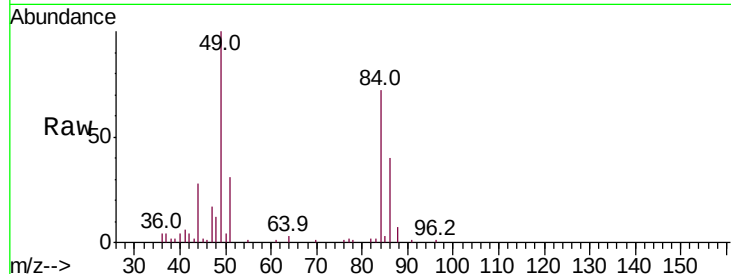
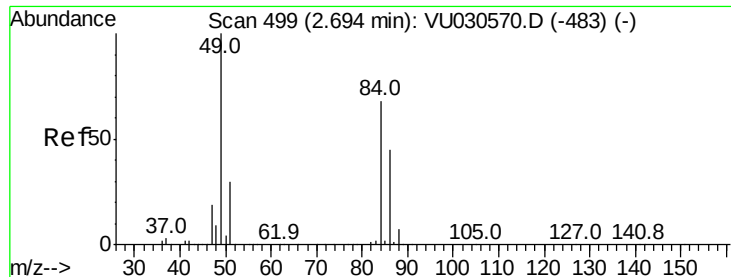
4/5/2019 2:38:42 PM



#14
Carbon Disulfide
Concen: 1.073 ug/l
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

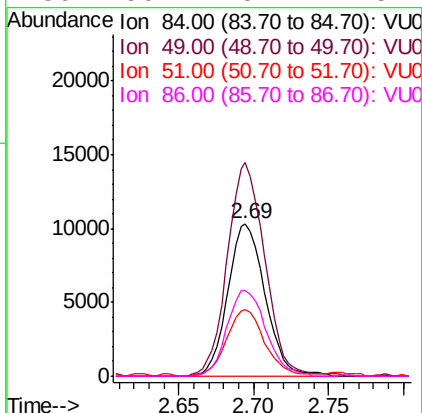
Tgt Ion: 76 Resp: 47575
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9





#15
Methylene Chloride
Concen: 1.190 ug/l
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Tot Ion:	84	Resp:	17988
Ion	Ratio	Lower	Upper
84	100		
49	139.8	117.0	175.6
51	44.0	0.0	88.6
86	56.2	52.2	78.2

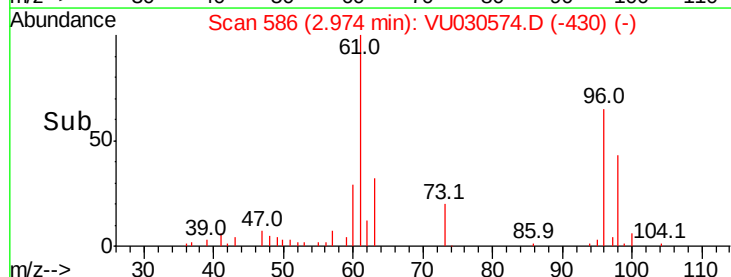
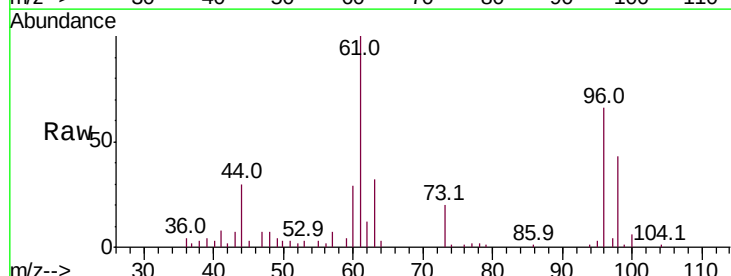
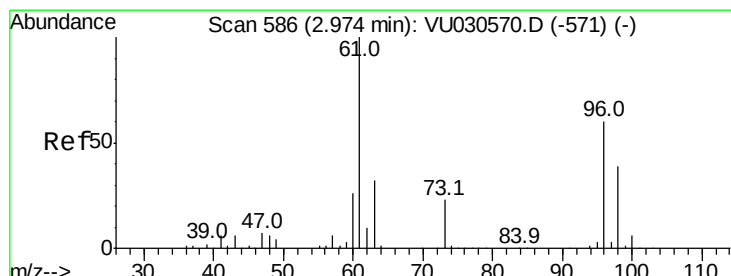


Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Manual Integrations
APPROVED

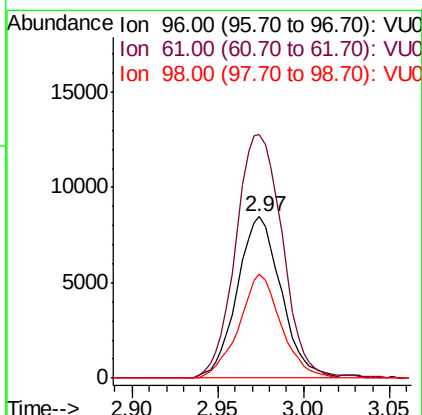
MMDadoda

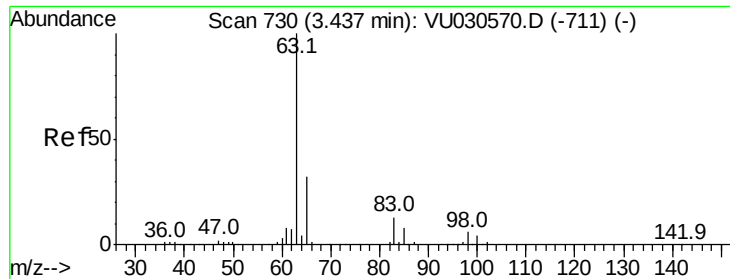
4/5/2019 2:38:42 PM



#16
trans-1,2-Dichloroethene
Concen: 1.042 ug/l
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Tgt Ion:	96	Resp:	15101
Ion	Ratio	Lower	Upper
96	100		
61	150.9	132.3	198.5
98	64.6	51.3	76.9



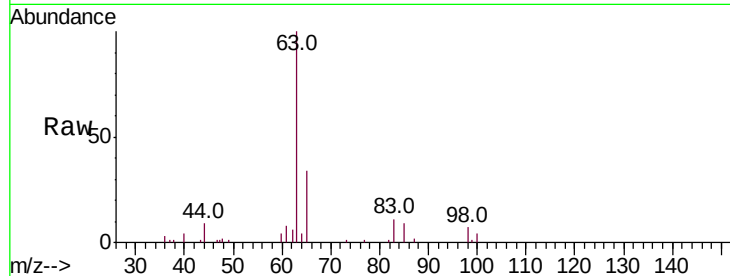


#17
 1,1-Dichloroethane
 Concen: 1.175 ug/l
 RT: 3.43 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

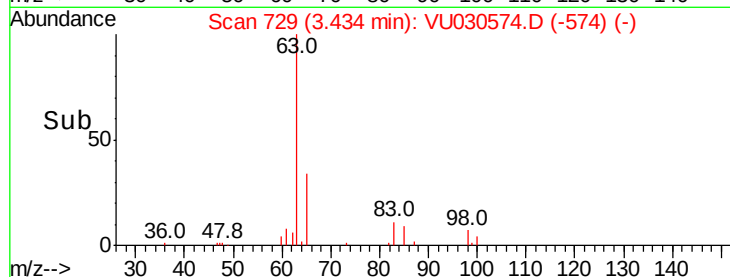
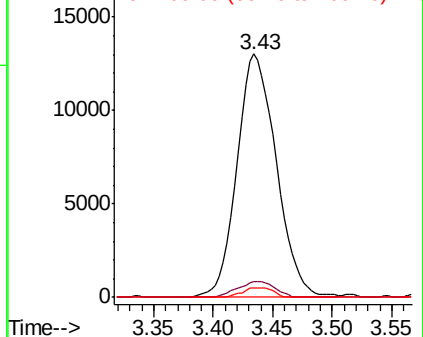
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.0	9.0
100	4.0	1.8	5.5

Manual Integrations
 APPROVED

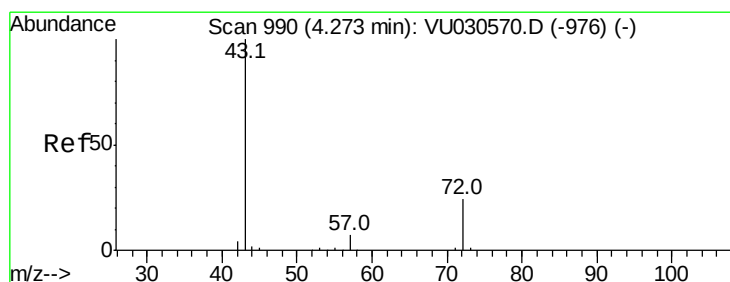


Abundance Ion 63.00 (62.70 to 63.70): VU030570.D (-711) (-)
 Ion 98.00 (97.70 to 98.70): VU030570.D (-711) (-)
 Ion 100.00 (99.70 to 100.70): VU030570.D (-711) (-)



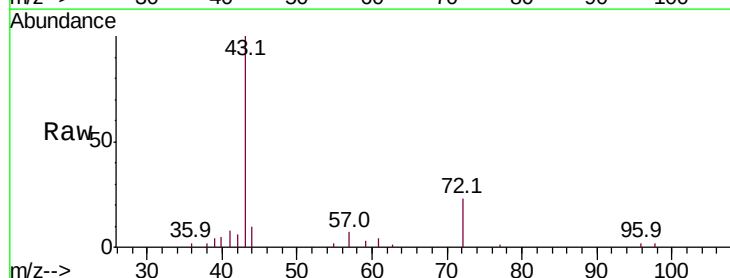
MMDadoda

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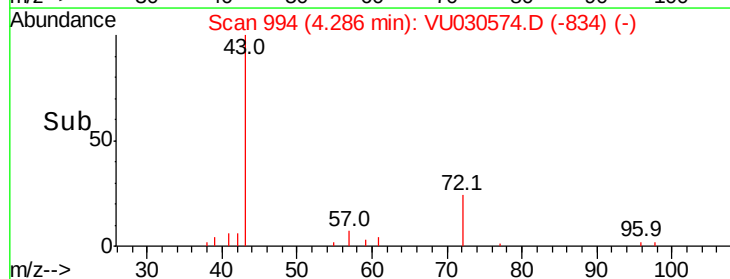
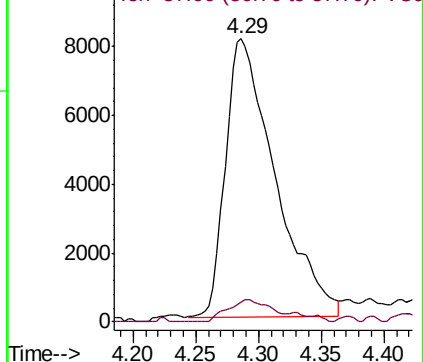


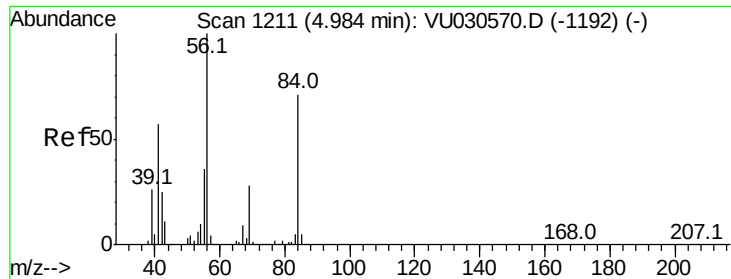
#18
 2-Butanone
 Concen: 6.314 ug/l
 RT: 4.29 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.2	0.0	14.4



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



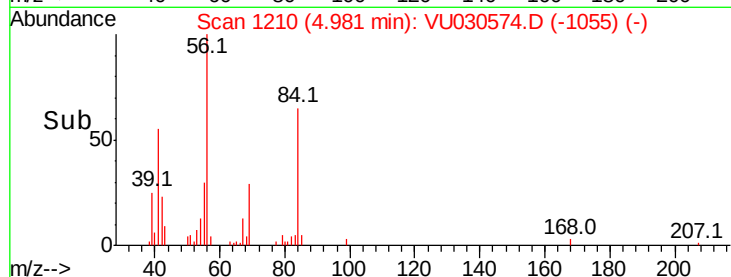
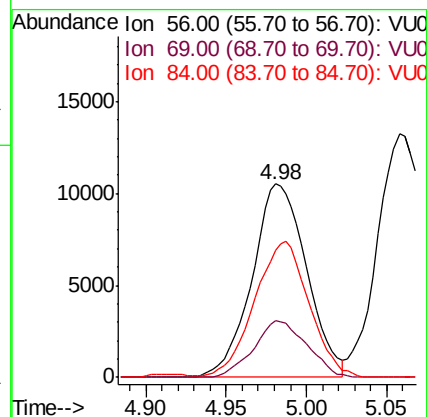
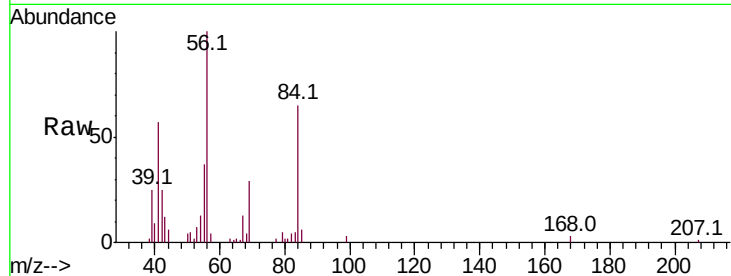


#19
Cyclohexane
Concen: 1.143 ug/l m
RT: 4.98 min Scan# 1210
Delta R.T. -0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

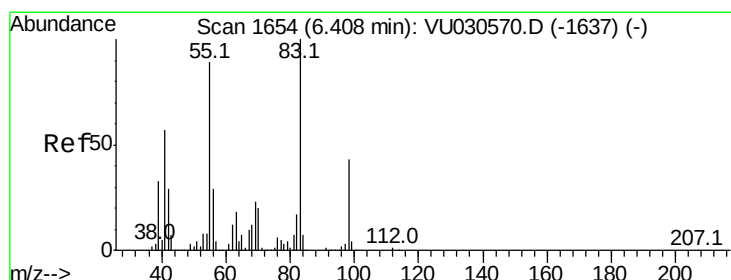
Tot Ion	Ratio	Lower	Upper
56	100		
69	28.4	22.3	33.5
84	69.1	57.6	86.4

Manual Integrations
APPROVED



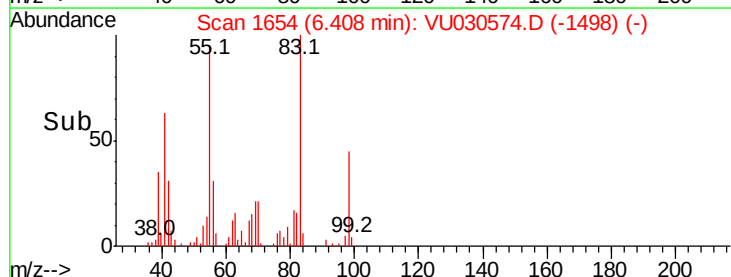
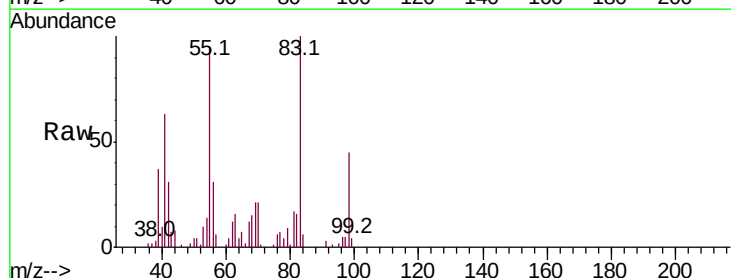
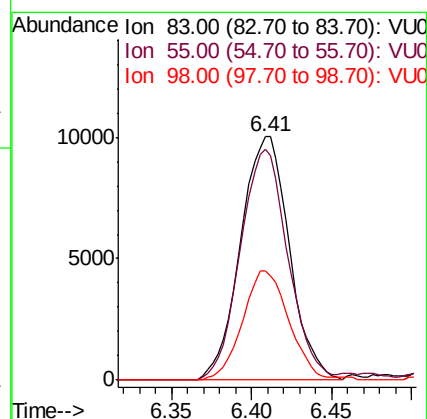
MMDadoda

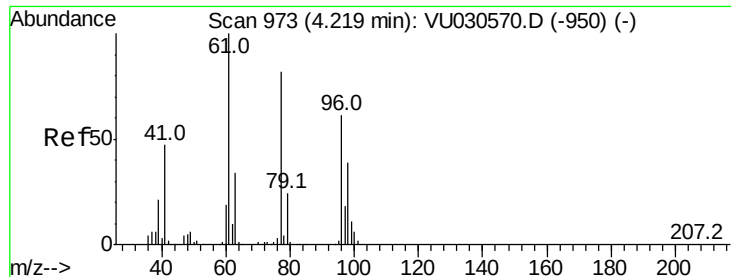
4/5/2019 2:38:42 PM



#20
Methylcyclohexane
Concen: 0.905 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
83	100		
55	90.1	72.0	108.0
98	41.4	35.0	52.4





#21

2,2-Dichloropropane

Concen: 1.074 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

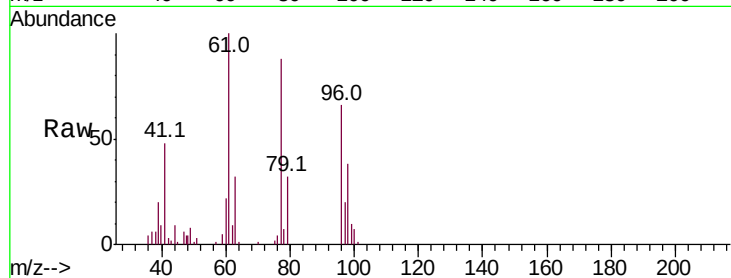
Tot Ion: 77 Resp: 22643

Ion Ratio Lower Upper

77 100

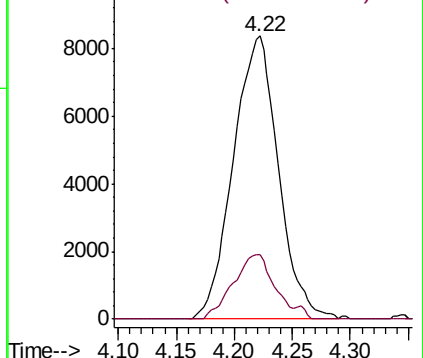
97 20.6 17.6 26.4

Manual Integrations
APPROVED



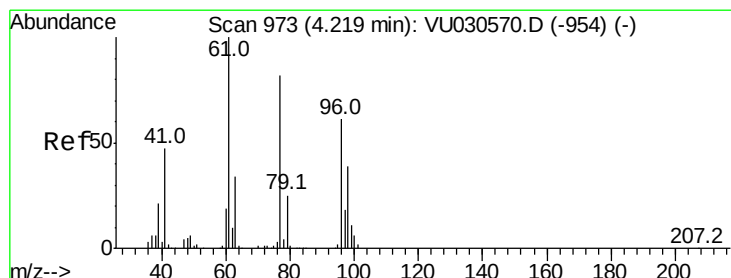
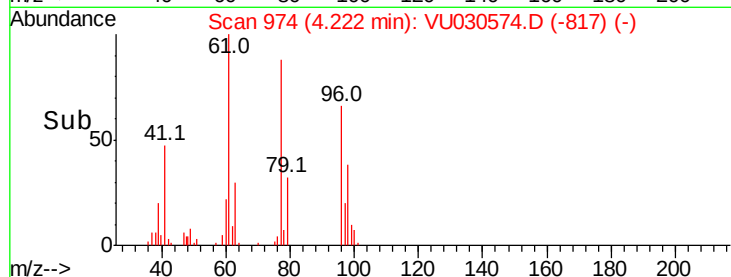
Abundance Ion 77.00 (76.70 to 77.70): VU030570.D (-950) (-)

Ion 97.00 (96.70 to 97.70): VU030570.D (-950) (-)



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#22

cis-1,2-Dichloroethene

Concen: 0.998 ug/l

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

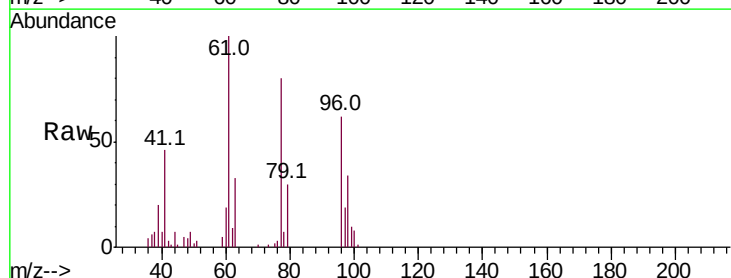
Tgt Ion: 96 Resp: 16021

Ion Ratio Lower Upper

96 100

61 163.5 0.0 427.0

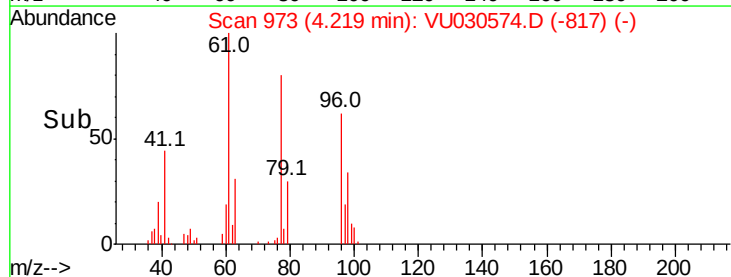
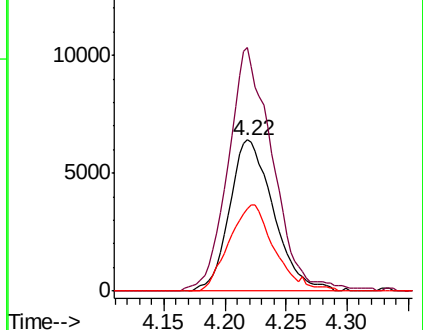
98 59.0 32.5 97.4

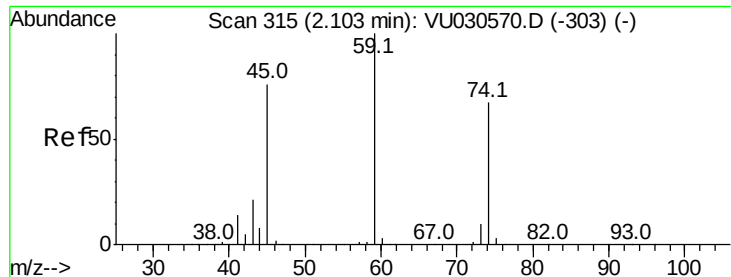


Abundance Ion 96.00 (95.70 to 96.70): VU030570.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU030570.D (-954) (-)

Ion 98.00 (97.70 to 98.70): VU030570.D (-954) (-)



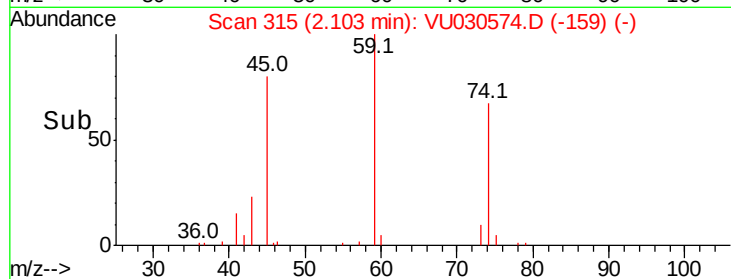
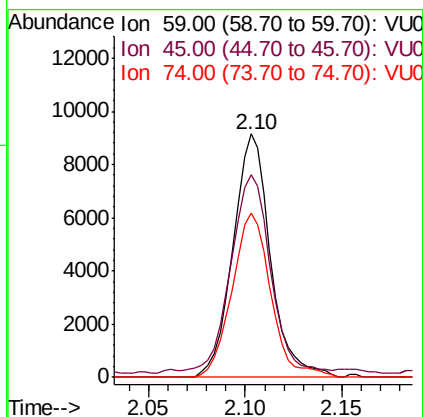
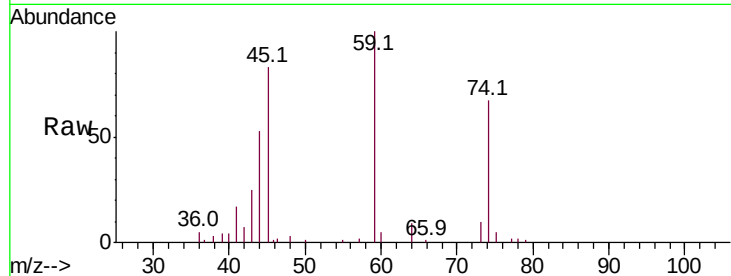


#23
Diethyl Ether
Concen: 1.247 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

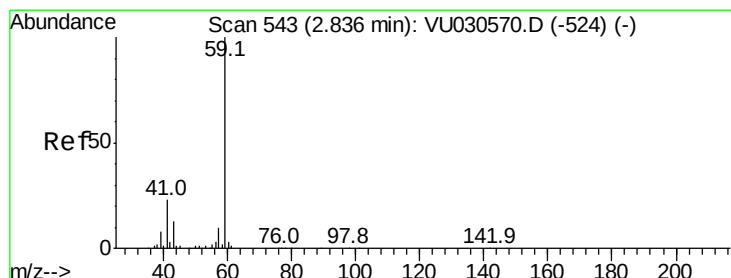
Tot Ion	Ratio	Lower	Upper
59	100		
45	83.4	61.6	92.4
74	70.1	53.2	79.8

Manual Integrations
APPROVED



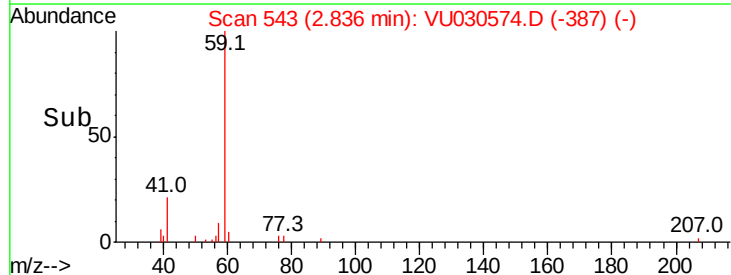
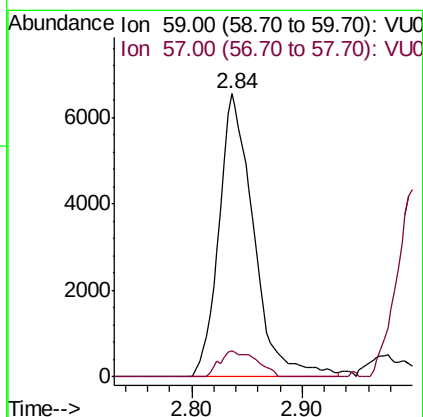
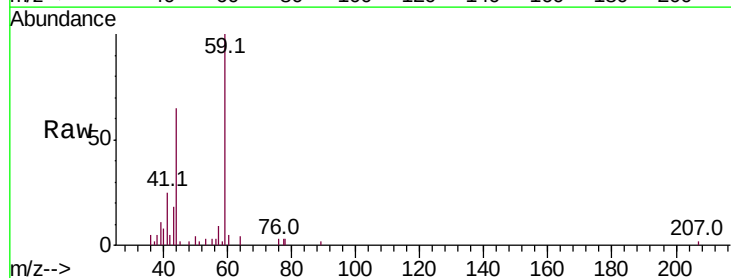
MMDadoda

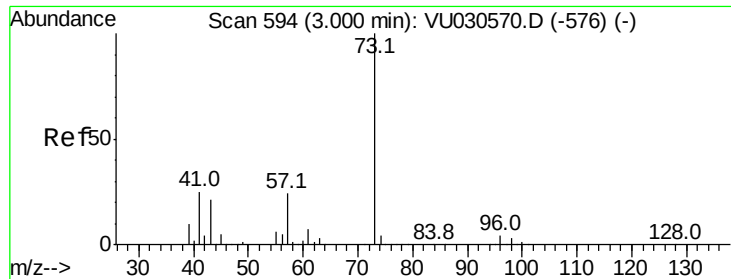
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#24
tert-Butyl Alcohol
Concen: 13.579 ug/l
RT: 2.84 min Scan# 543
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.4	12.6





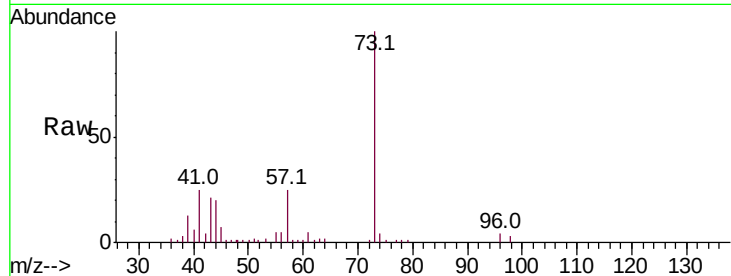
#25

Methyl tert-Butyl Ether
 Concen: 1.181 ug/l
 RT: 3.00 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

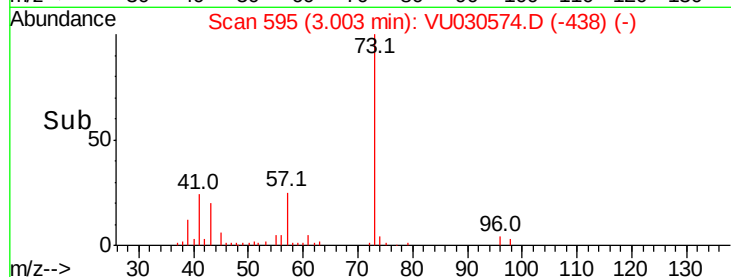
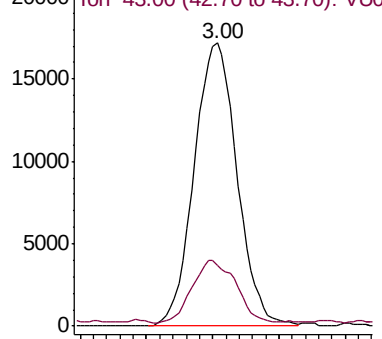
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
73	100		
43	21.9	16.6	24.8

Manual Integrations
 APPROVED

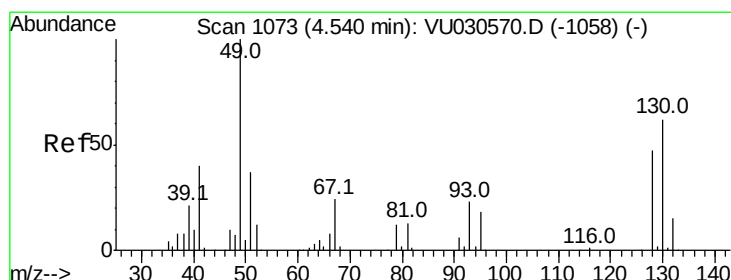


Abundance Ion 73.00 (72.70 to 73.70): VU030570.D (-576) (-)



MMDadoda

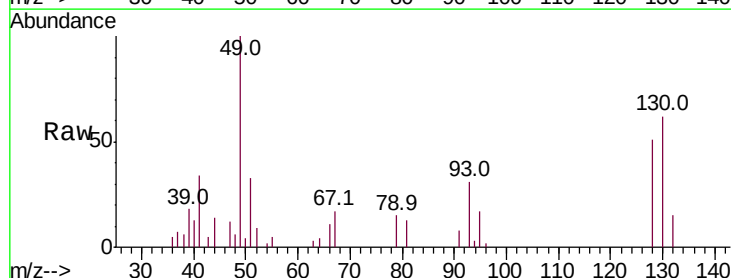
4/5/2019 2:38:42 PM



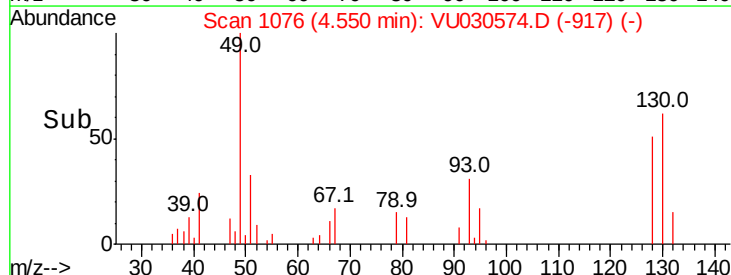
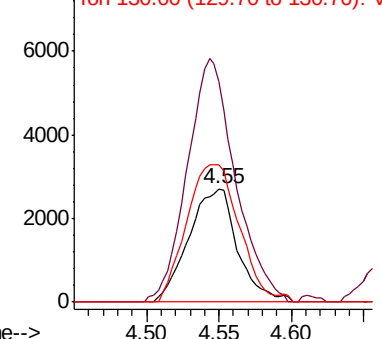
#26

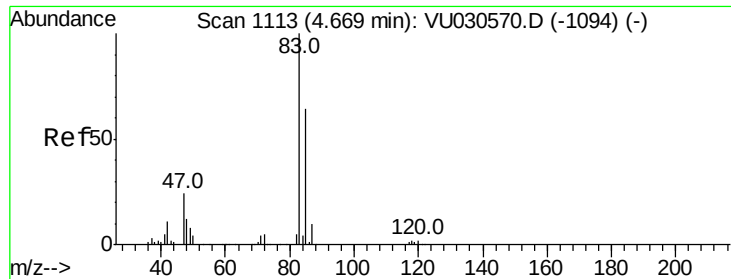
Bromochloromethane
 Concen: 0.920 ug/l
 RT: 4.55 min Scan# 1076
 Delta R.T. 0.01 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
128	100		
49	211.0	0.0	418.2
130	129.8	103.4	155.0



Abundance Ion 128.00 (127.70 to 128.70): VU030570.D (-1058) (-)



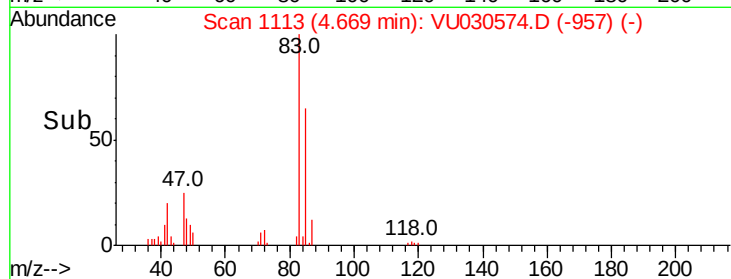
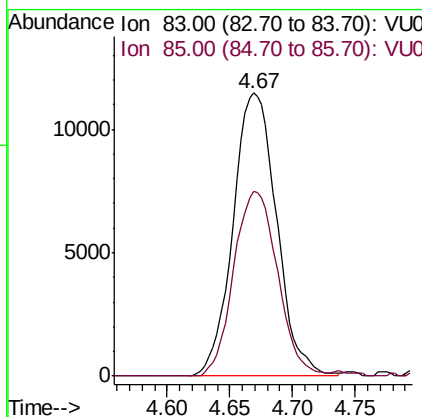
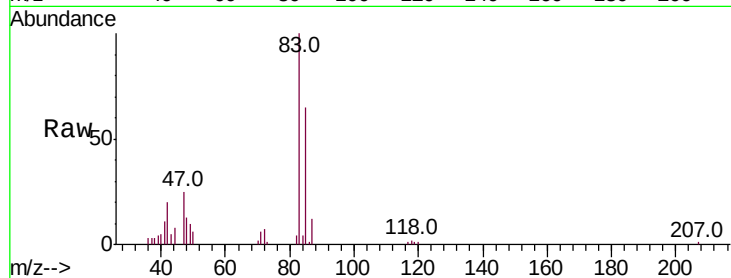


#27
Chloroform
Concen: 1.051 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

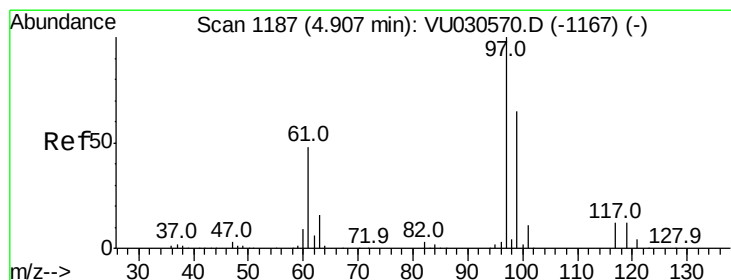
Tot Ion	83	Resp	27711
Ion Ratio	100	Lower	Upper
85	65.4	0.0	128.4

Manual Integrations
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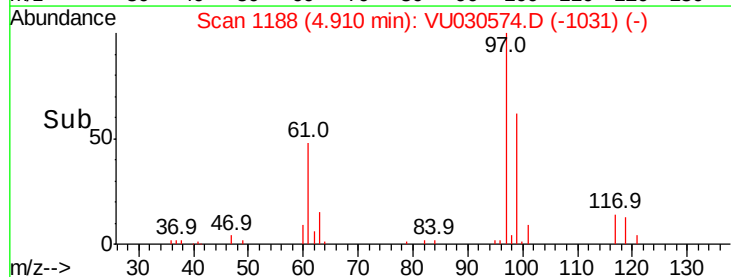
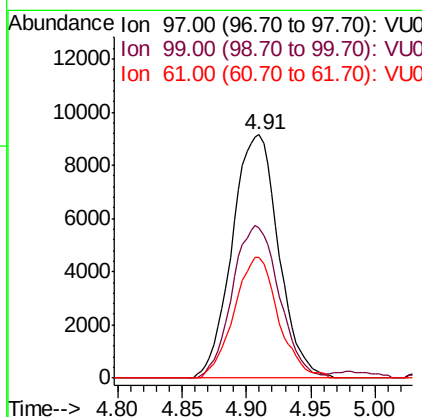
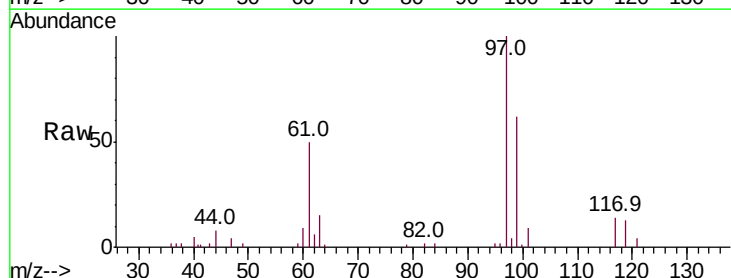
MMDadoda

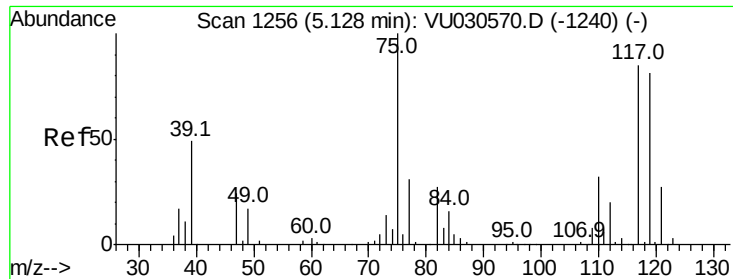
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#28
1,1,1-Trichloroethane
Concen: 1.065 ug/l
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Tgt Ion	97	Resp	22906
Ion Ratio	100	Lower	Upper
99	63.3	32.0	96.0
61	47.4	24.0	72.0





#29

1,1-Dichloropropene

Concen: 1.032 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 20185

Ion Ratio Lower Upper

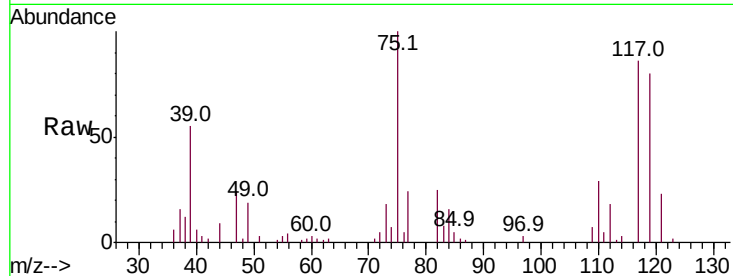
75 100

110 32.9 16.0 48.0

77 28.9 24.8 37.2

Manual Integrations

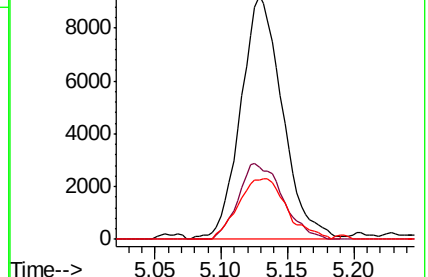
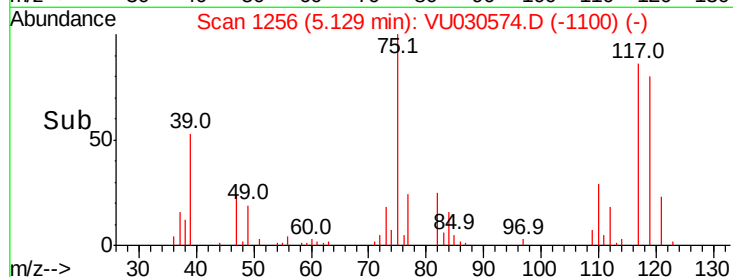
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Abundance Ion 75.00 (74.70 to 75.70): VU030570.D (-1240) (-)

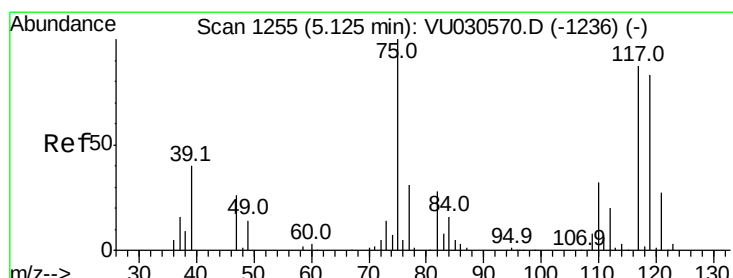
Ion 110.00 (109.70 to 110.70): VU030570.D (-1240) (-)

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



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#30

Carbon Tetrachloride

Concen: 0.979 ug/l

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

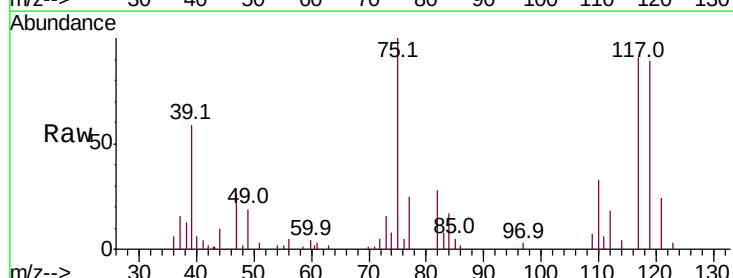
Tgt Ion: 117 Resp: 18678

Ion Ratio Lower Upper

117 100

119 97.2 76.4 114.6

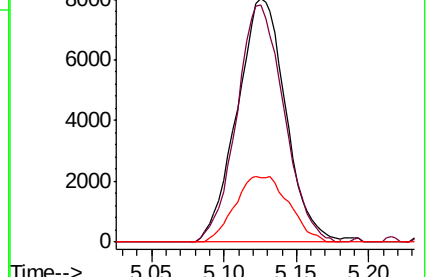
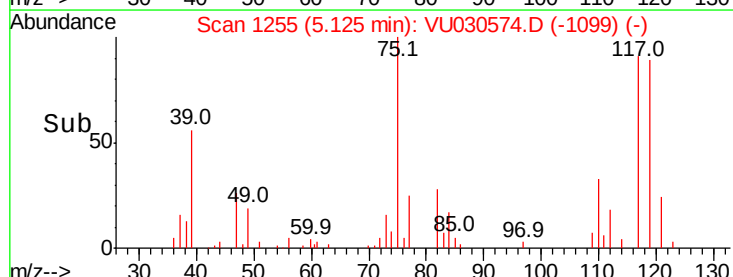
121 26.5 24.7 37.1

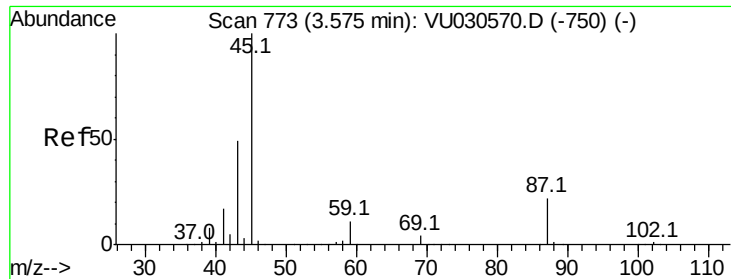


Abundance Ion 117.00 (116.70 to 117.70): VU030570.D (-1236) (-)

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

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





#31

Isopropyl Ether

Concen: 1.339 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

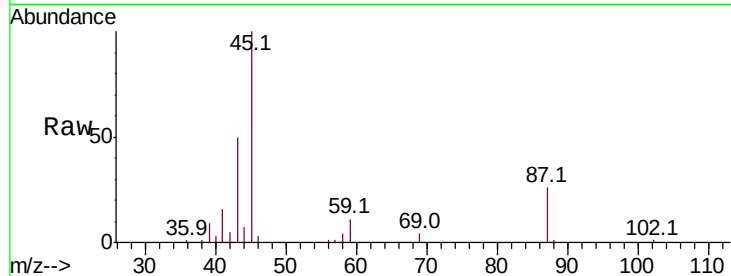
Tot Ion: 45 Resp: 49749

Ion Ratio Lower Upper

45 100

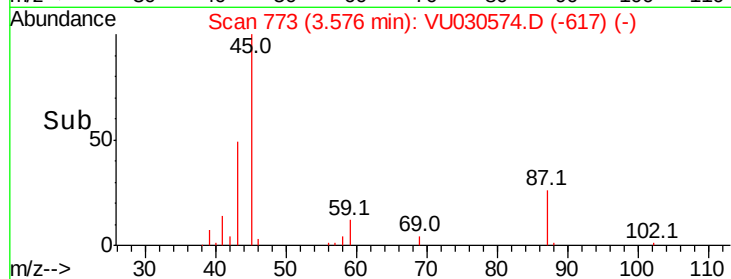
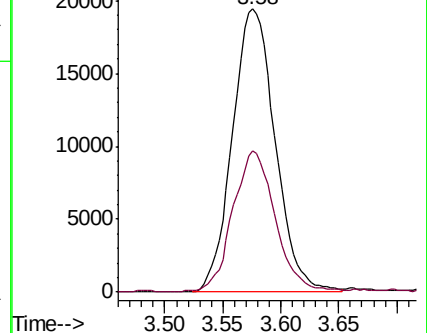
43 49.7 25.0 75.0

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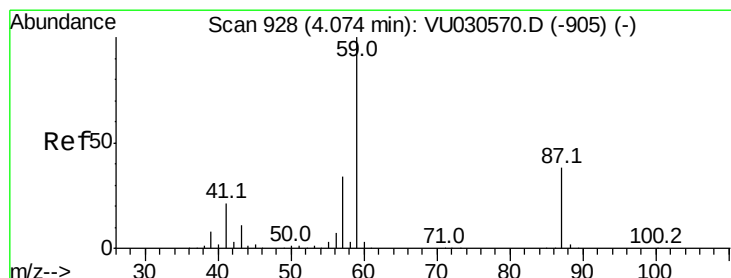
Abundance Ion 45.00 (44.70 to 45.70): VU030570.D (-750) (-)

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



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#32

Ethyl-t-butyl ether

Concen: 1.103 ug/l

RT: 4.07 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU030574.D

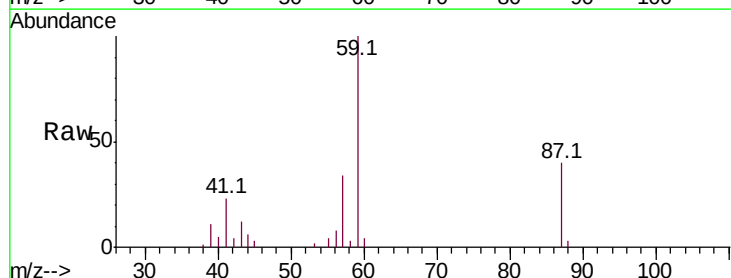
Acq: 30 Mar 2019 14:44

Tgt Ion: 59 Resp: 37931

Ion Ratio Lower Upper

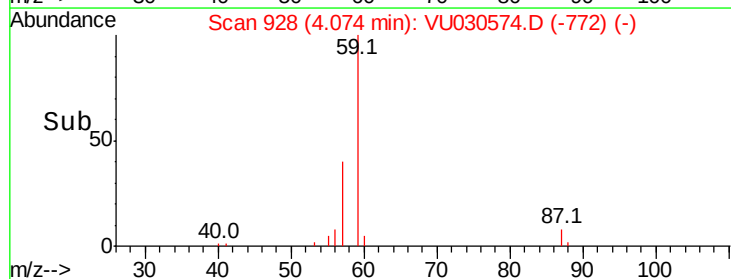
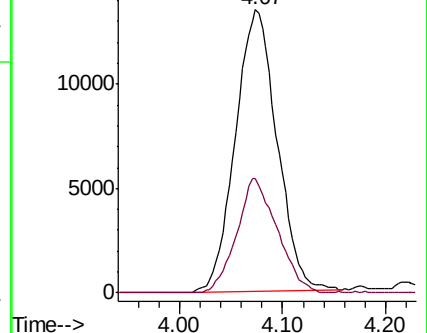
59 100

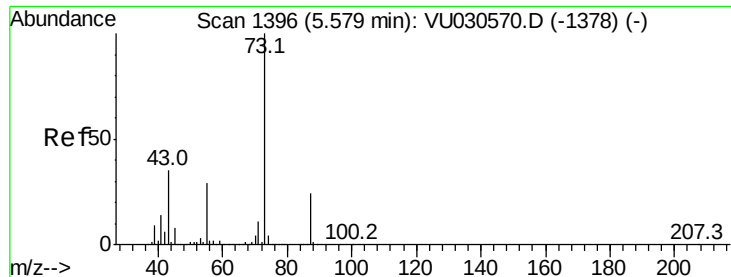
87 39.4 30.1 45.1



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

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



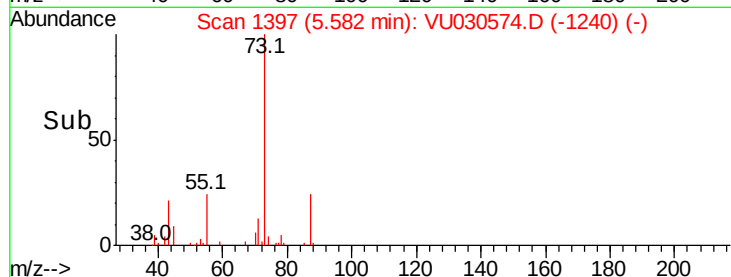
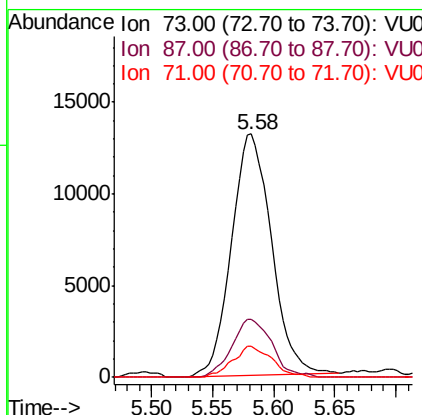
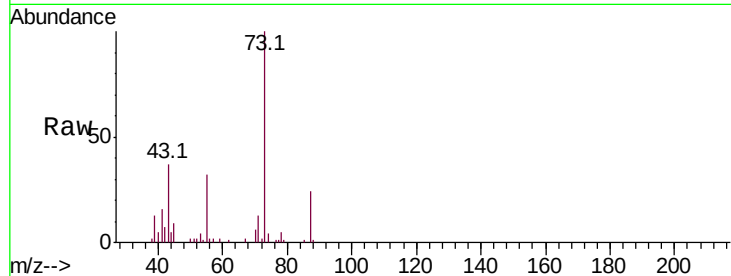


#33
Tert-Butyl methyl ether
Concen: 0.970 ug/l
RT: 5.58 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

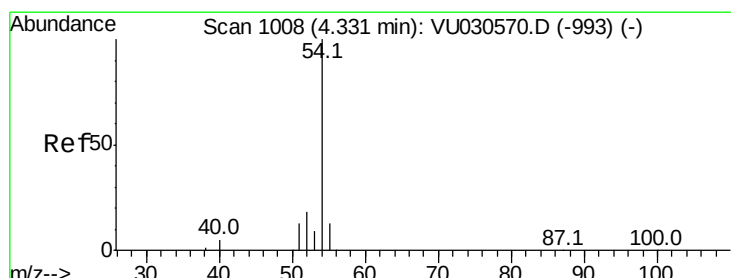
Tot Ion	Ratio	Lower	Upper
73	100		
87	24.3	18.6	27.8
71	12.7	9.0	13.4

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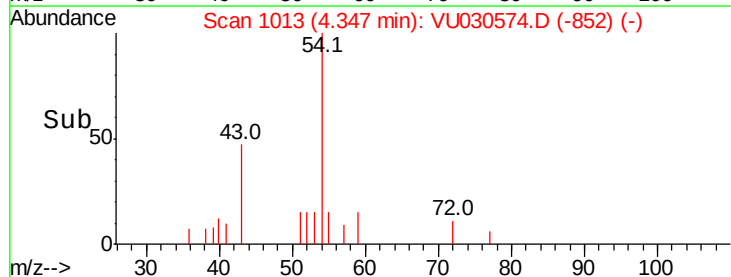
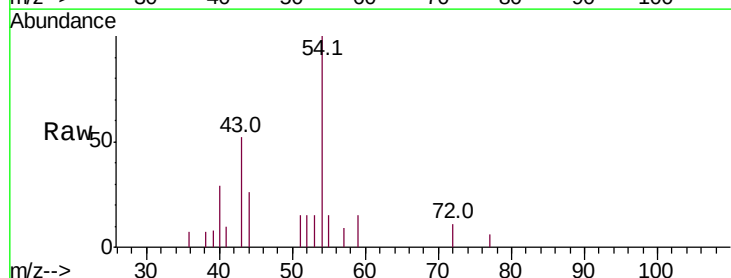
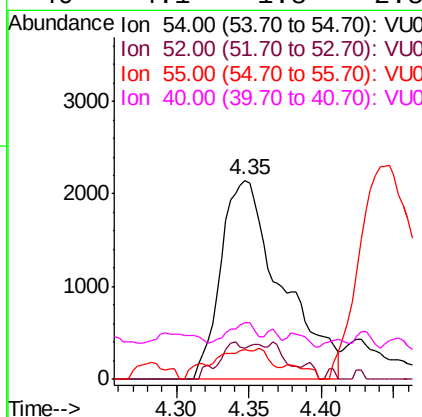
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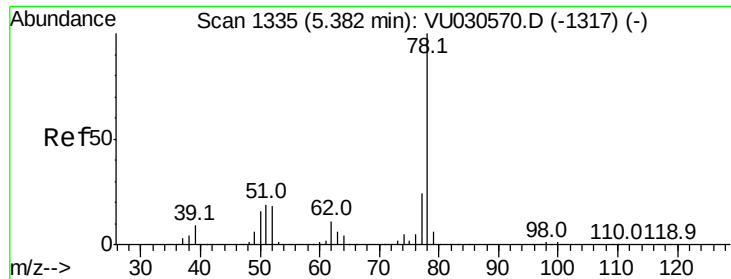
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#34
Propionitrile
Concen: 6.392 ug/l
RT: 4.35 min Scan# 1013
Delta R.T. 0.02 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
54	100		
52	7.8	14.1	21.1#
55	4.0	10.4	15.6#
40	4.1	1.8	2.8#





#35

Benzene

Concen: 1.037 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 59532

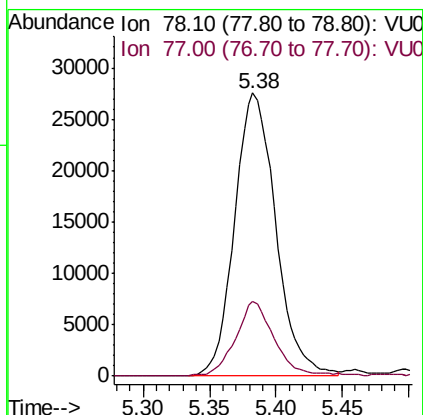
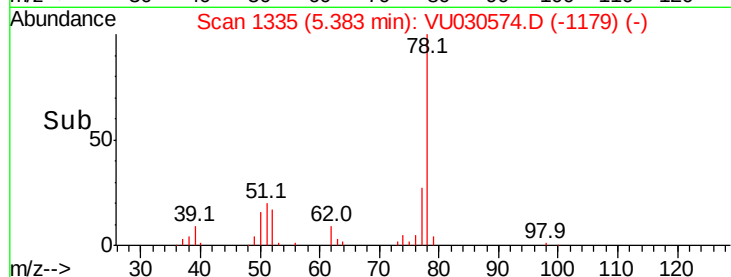
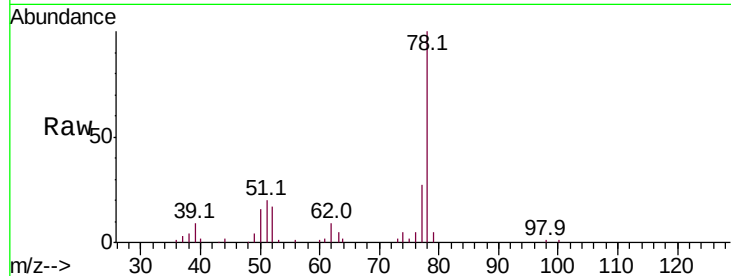
Ion Ratio Lower Upper

78 100

77 26.6 19.5 29.3

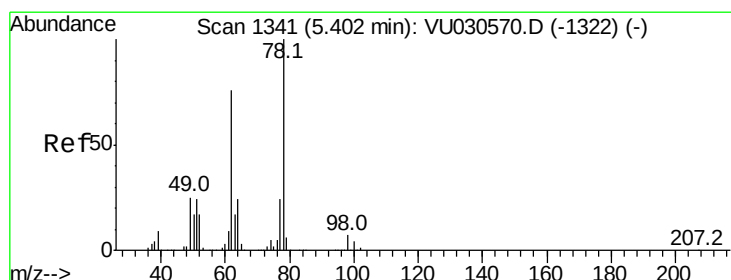
Manual Integrations

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#36

1,2-Dichloroethane

Concen: 1.243 ug/l

RT: 5.41 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU030574.D

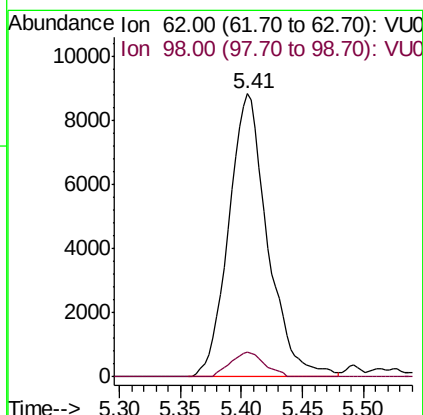
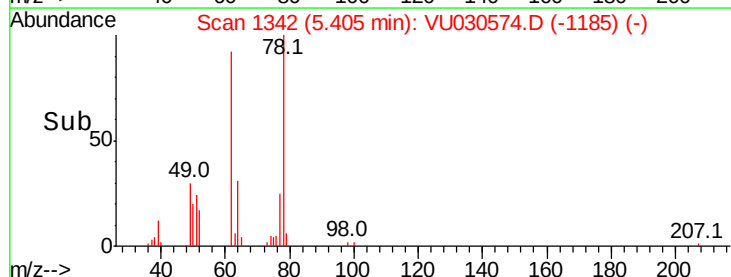
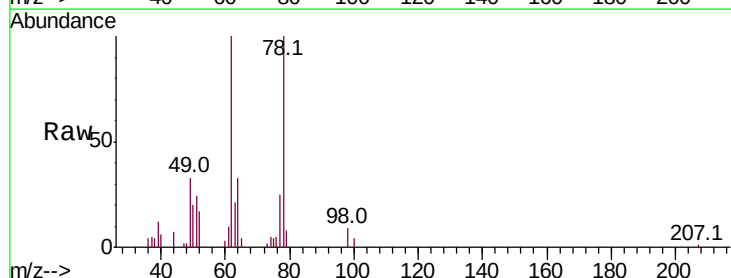
Acq: 30 Mar 2019 14:44

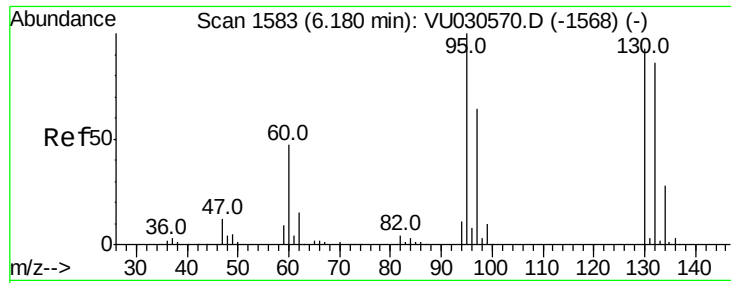
Tgt Ion: 62 Resp: 19603

Ion Ratio Lower Upper

62 100

98 7.6 6.8 10.2



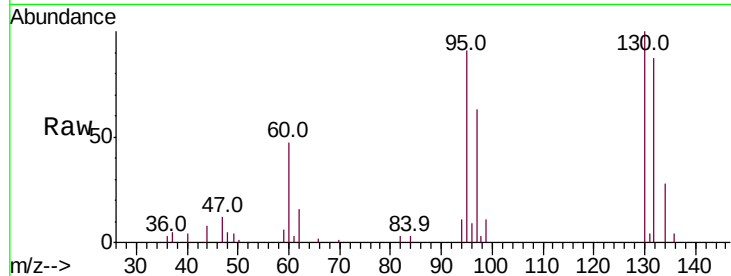


#37
 Trichloroethene
 Concen: 0.930 ug/l
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

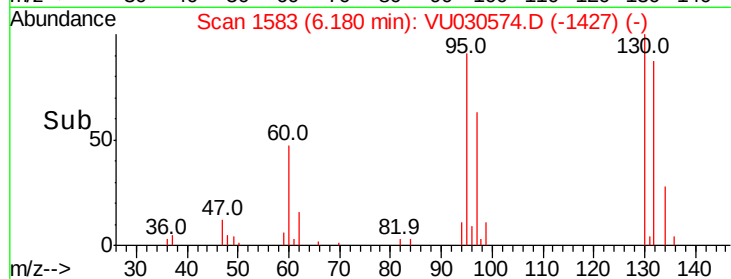
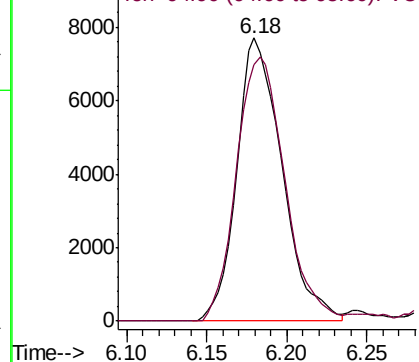
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:130 Resp: 14881
 Ion Ratio Lower Upper
 130 100
 95 90.7 85.8 128.8

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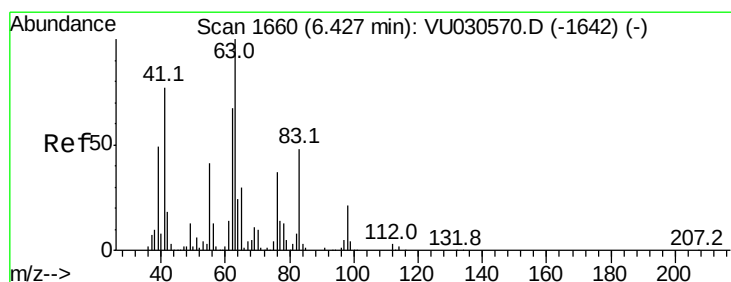


Abundance Ion 129.90 (129.60 to 130.60): VU030570.D (-1568) (-)
 Ion 94.90 (94.60 to 95.60): VU030570.D (-1568) (-)



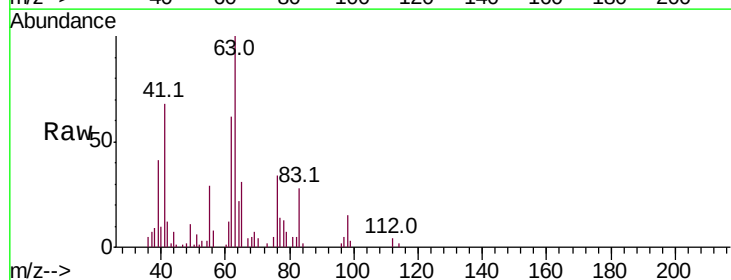
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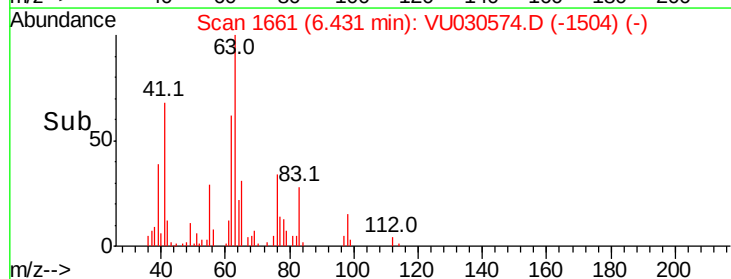
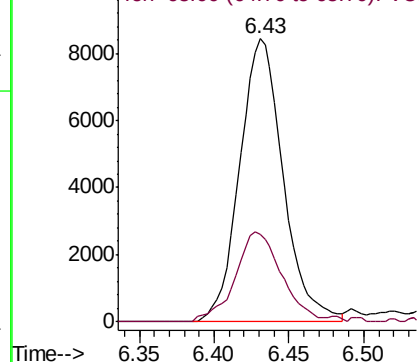


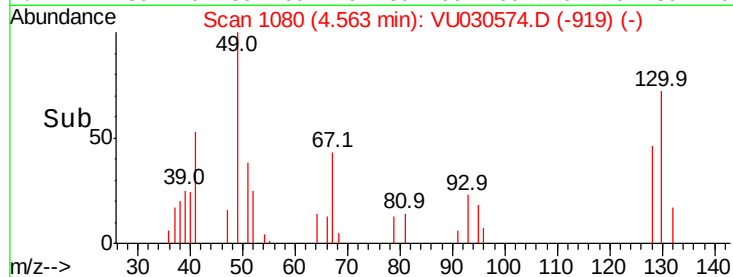
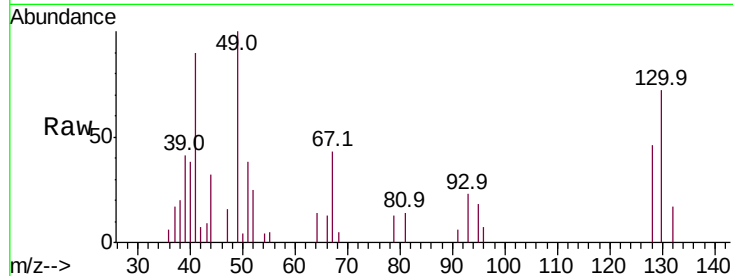
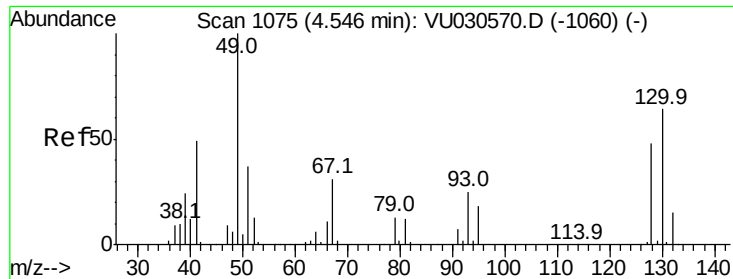
#38
 1,2-Dichloropropane
 Concen: 1.149 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Tgt Ion: 63 Resp: 17054
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.9 35.9



Abundance Ion 63.00 (62.70 to 63.70): VU030570.D (-1642) (-)
 Ion 65.00 (64.70 to 65.70): VU030570.D (-1642) (-)



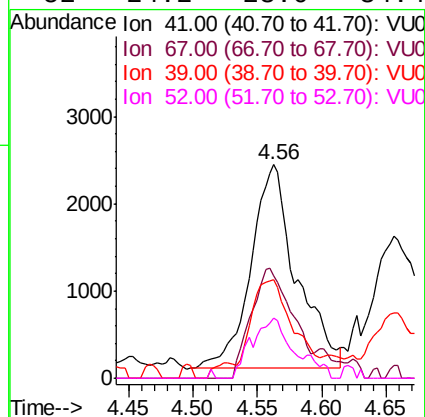


#39
Methacrylonitrile
Concen: 1.322 ug/l
RT: 4.56 min Scan# 1080
Delta R.T. 0.02 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Tot Ion	Ratio	Lower	Upper
41	100		
67	49.6	50.2	75.4#
39	35.6	40.7	61.1#
52	24.2	23.0	34.4

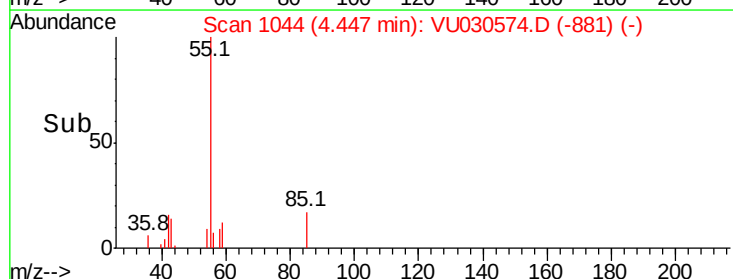
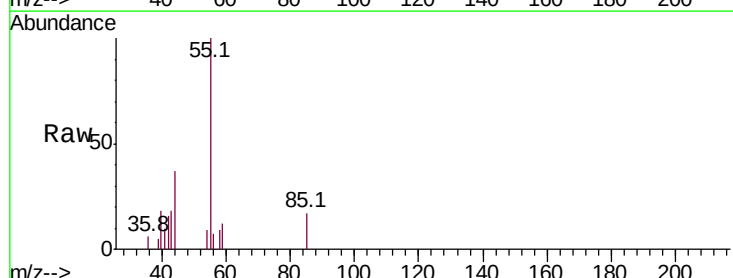
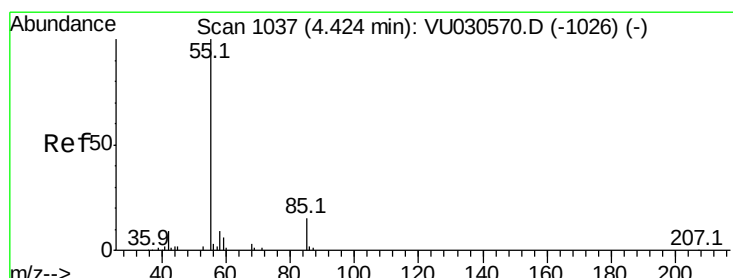
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

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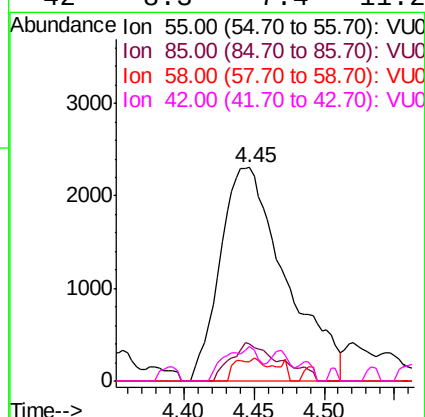
MMDadoda

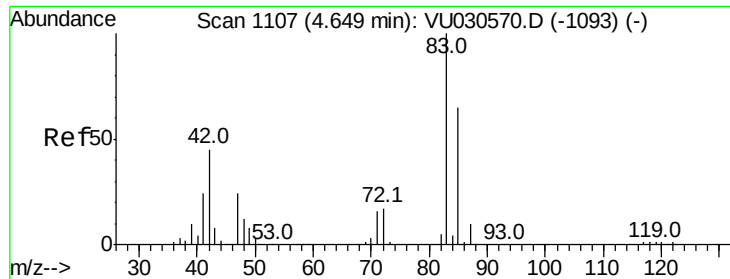
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#40
Methyl acrylate
Concen: 1.127 ug/l
RT: 4.45 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
55	100		
85	13.5	12.5	18.7
58	2.1	6.3	9.5#
42	8.3	7.4	11.2





#41

Tetrahydrofuran

Concen: 2.895 ug/l

RT: 4.66 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

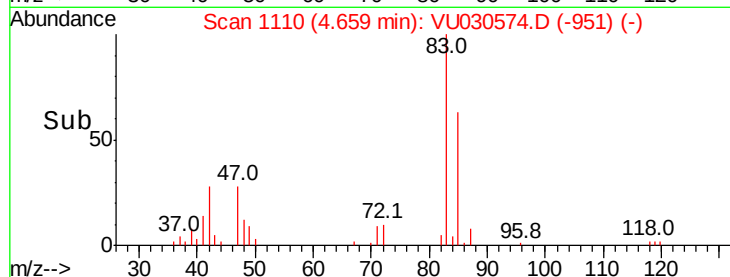
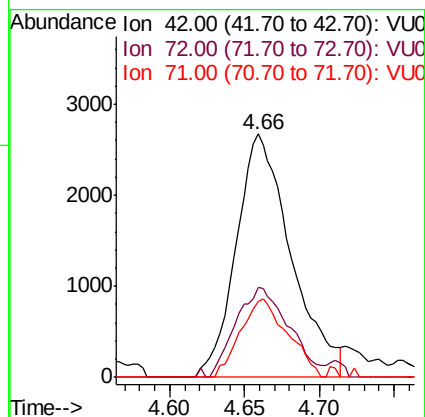
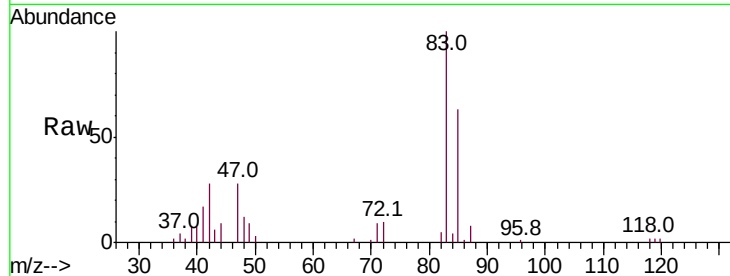
MSVOA_U

ClientSampleId :

VSTDIC001

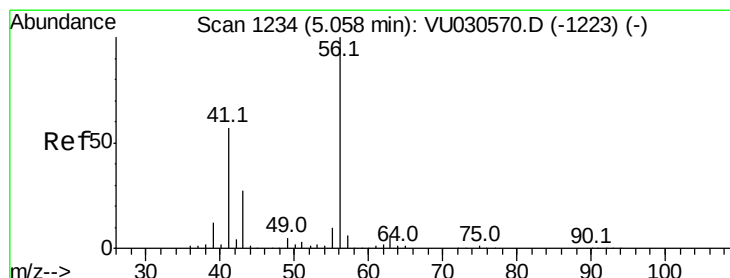
Tot Ion:	42	Resp:	6822
Ion	Ratio	Lower	Upper
42	100		
72	35.7	33.4	50.0
71	27.8	28.8	43.2#

Manual Integrations
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#42

1-Chlorobutane

Concen: 1.118 ug/l

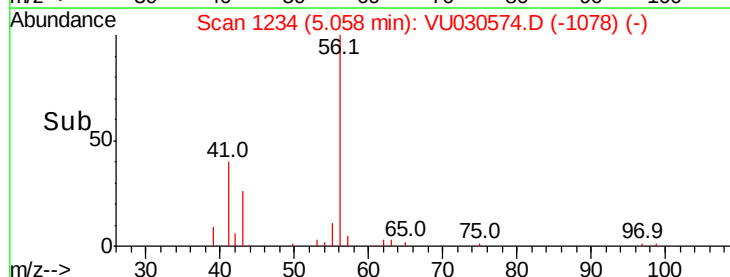
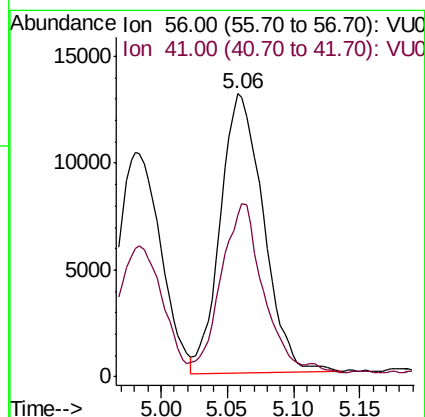
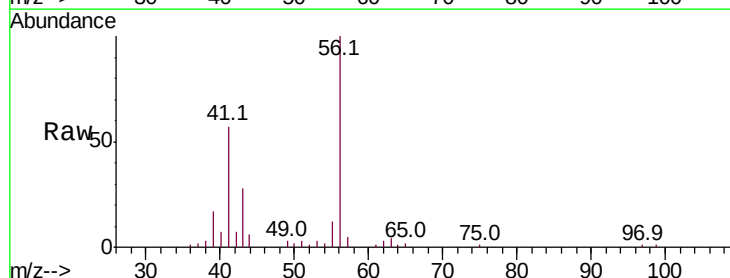
RT: 5.06 min Scan# 1234

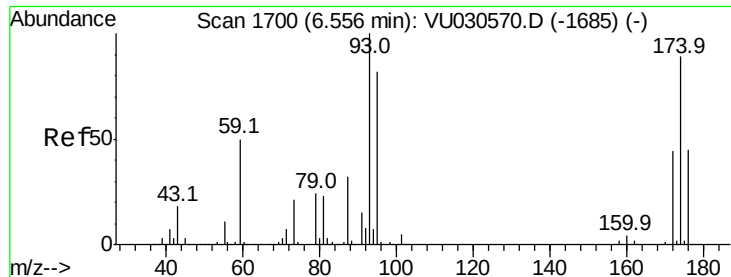
Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Tgt Ion:	56	Resp:	29577
Ion	Ratio	Lower	Upper
56	100		
41	54.2	28.5	85.6



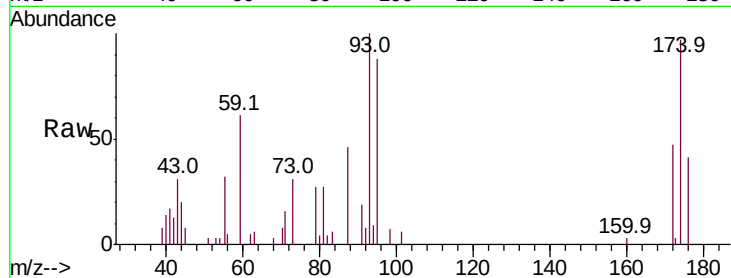


#43
Dibromomethane
Concen: 1.010 ug/l
RT: 6.56 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

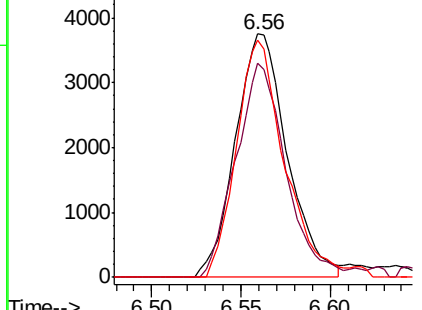
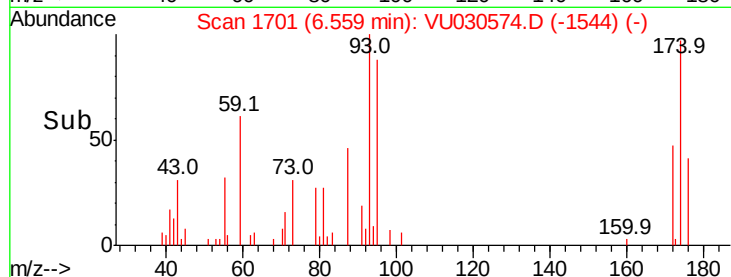
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 93 Resp: 7597
Ion Ratio Lower Upper
93 100
95 84.7 63.9 95.9
174 90.4 71.0 106.4

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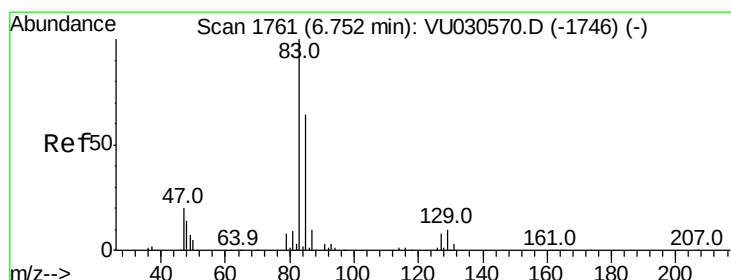


Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V



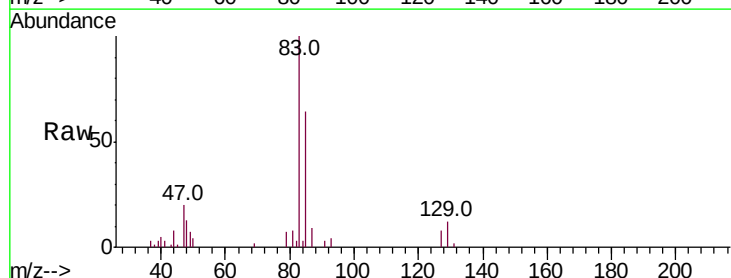
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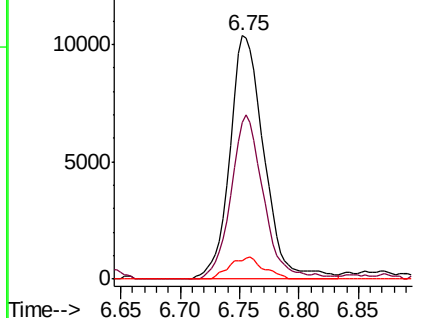
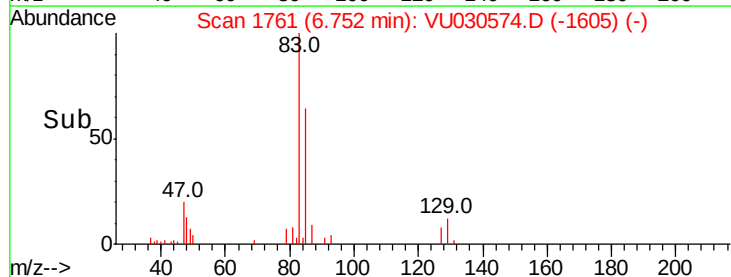


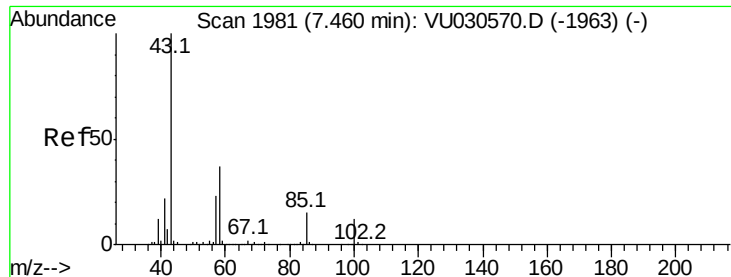
#44
Bromodichloromethane
Concen: 1.140 ug/l
RT: 6.75 min Scan# 1761
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Tgt Ion: 83 Resp: 20704
Ion Ratio Lower Upper
83 100
85 64.3 51.1 76.7
127 7.8 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: 6.520 ug/l

RT: 7.47 min Scan# 1983

Delta R.T. 0.01 min

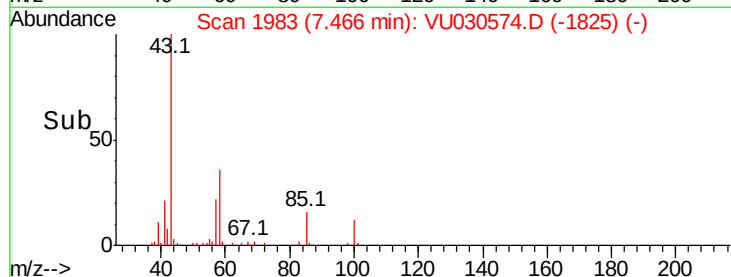
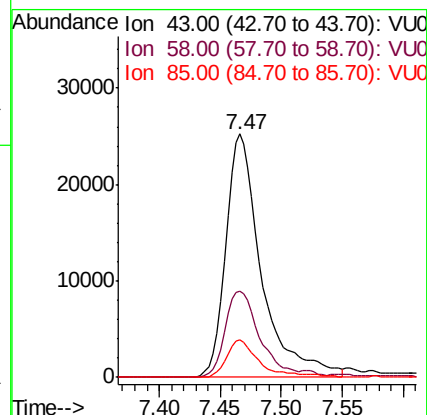
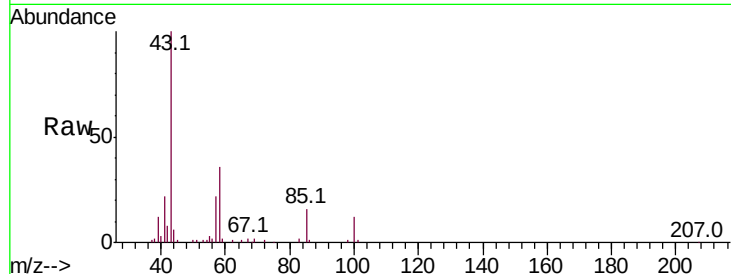
Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

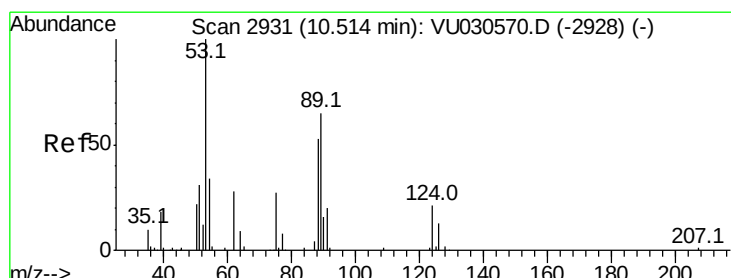
Tot Ion	Ratio	Lower	Upper
43	100		
58	34.2	18.6	55.8
85	13.6	11.8	17.6

Manual Integrations
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#46

t-1,4-Dichloro-2-butene

Concen: 2.272 ug/l m

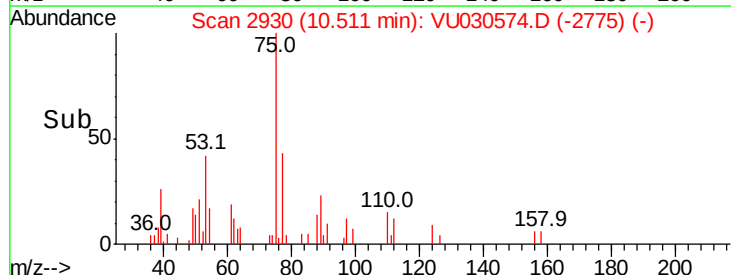
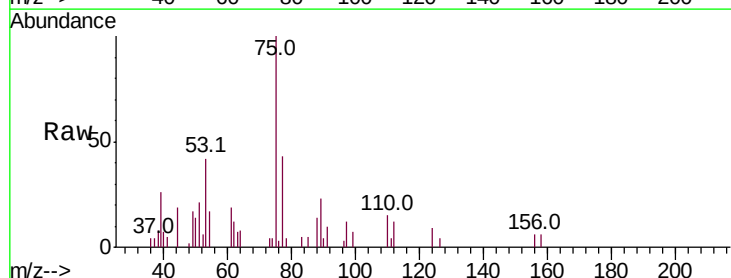
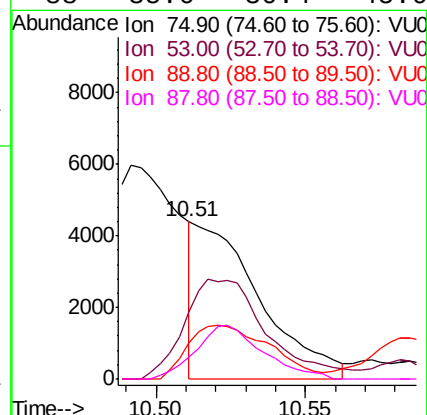
RT: 10.51 min Scan# 2930

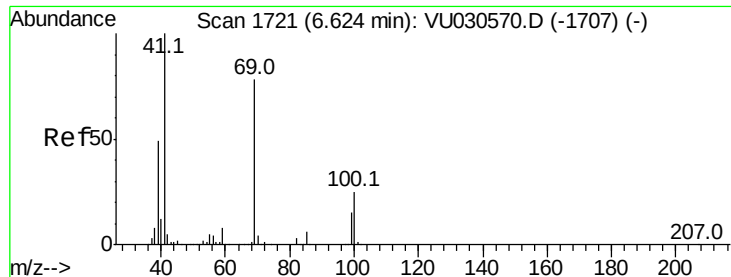
Delta R.T. -0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
75	100		
53	81.8	63.4	95.2
89	43.8	39.1	58.7
88	35.6	30.4	45.6



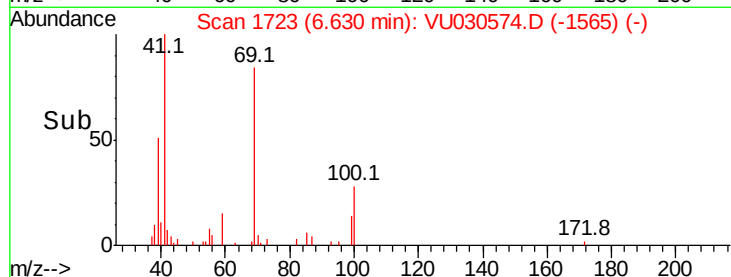
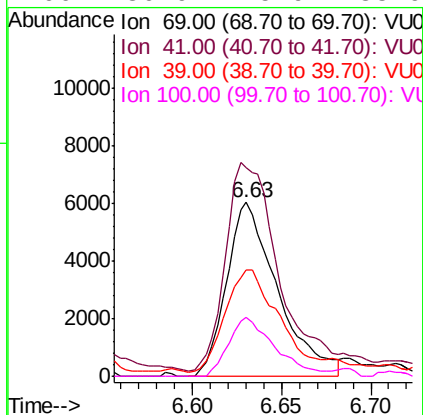
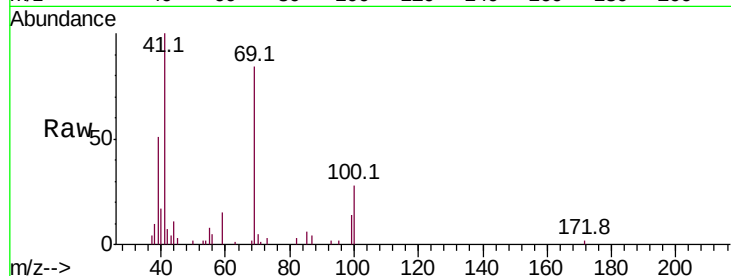


#47
Methvl methacrylate
Concen: 1.881 ug/l
RT: 6.63 min Scan# 1723
Delta R.T. 0.01 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

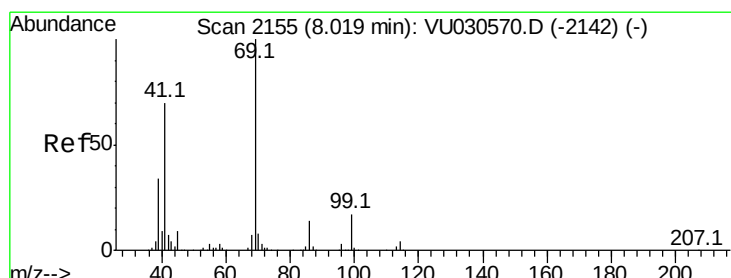
Tot Ion	Ratio	Lower	Upper
69	100		
41	129.4	0.0	258.0
39	66.1	51.0	76.4
100	30.9	25.9	38.9

Manual Integrations
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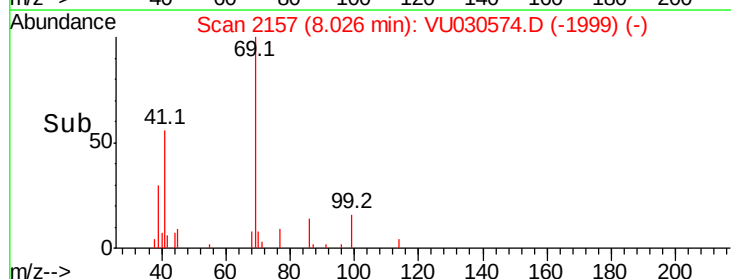
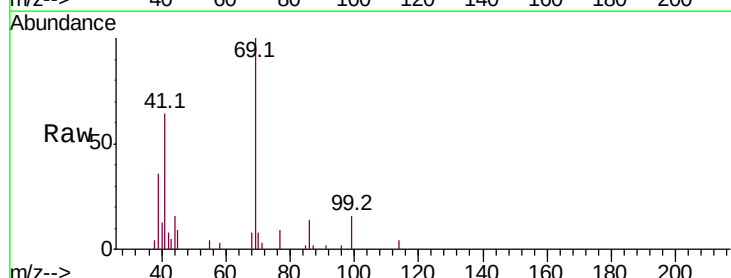
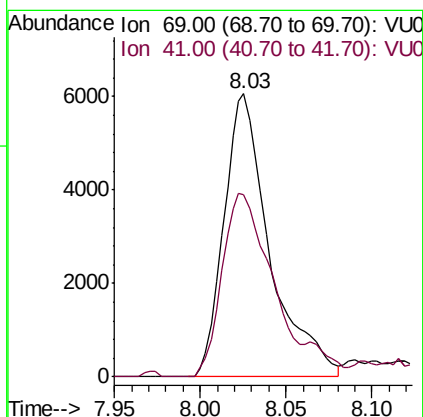
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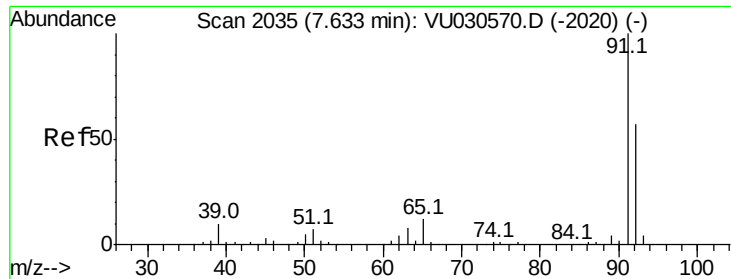
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#48
Ethyl methacrylate
Concen: 0.942 ug/l
RT: 8.03 min Scan# 2157
Delta R.T. 0.01 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.4	36.1	108.5





#49

Toluene

Concen: 0.905 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 30854

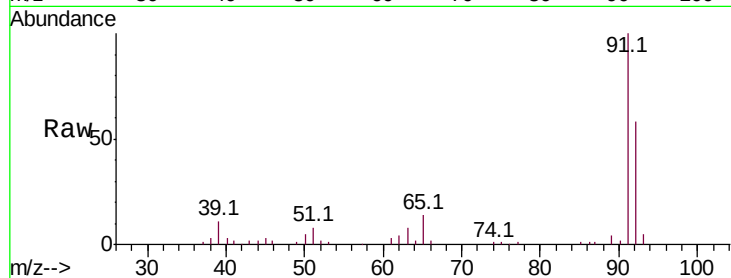
Ion Ratio Lower Upper

92 100

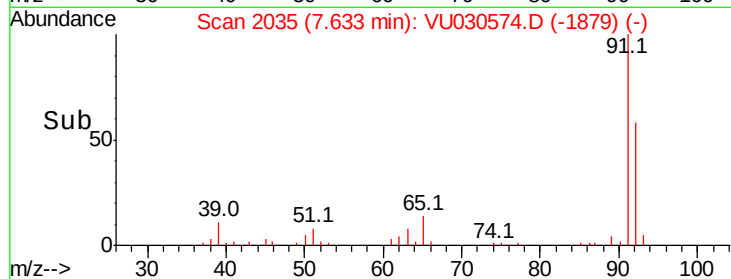
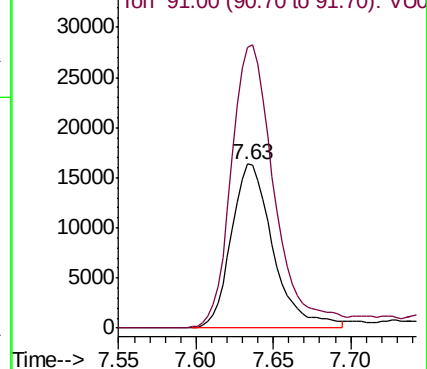
91 177.2 140.2 210.4

Manual Integrations

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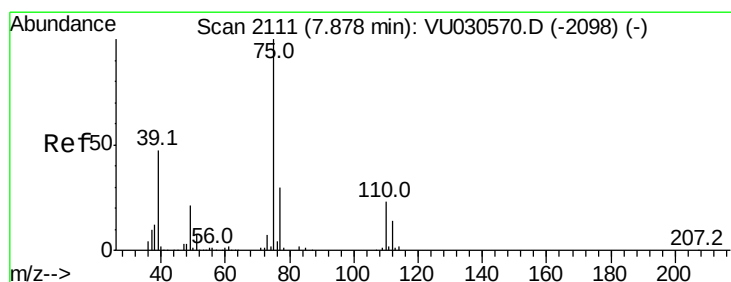


Abundance Ion 92.00 (91.70 to 92.70): VU030574.D (-1879) (-)



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#50

t-1,3-Dichloropropene

Concen: 1.026 ug/l

RT: 7.88 min Scan# 2113

Delta R.T. 0.01 min

Lab File: VU030574.D

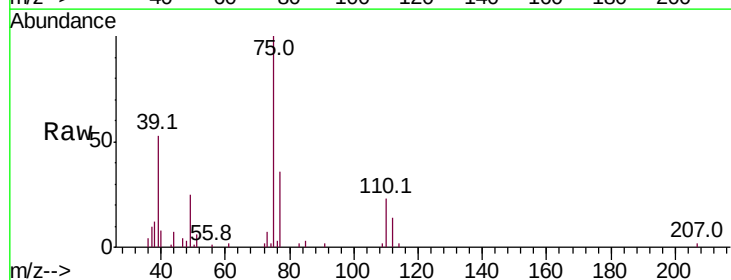
Acq: 30 Mar 2019 14:44

Tgt Ion: 75 Resp: 16605

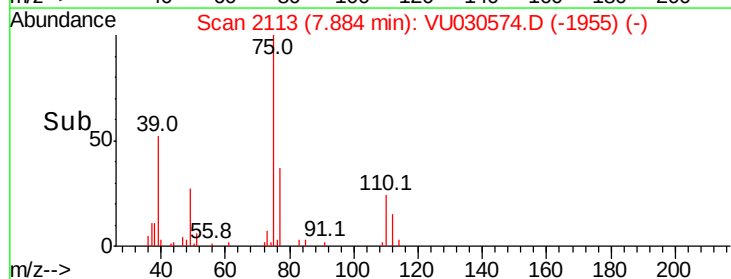
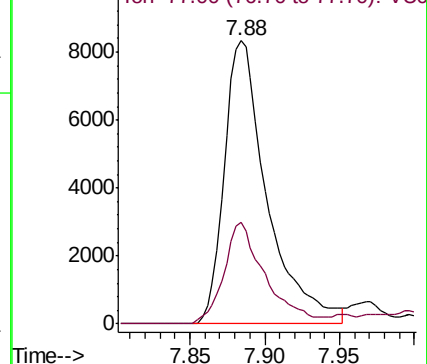
Ion Ratio Lower Upper

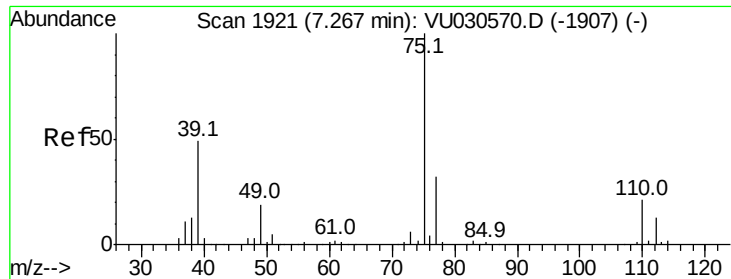
75 100

77 35.9 24.4 36.6



Abundance Ion 75.00 (74.70 to 75.70): VU030574.D (-1955) (-)



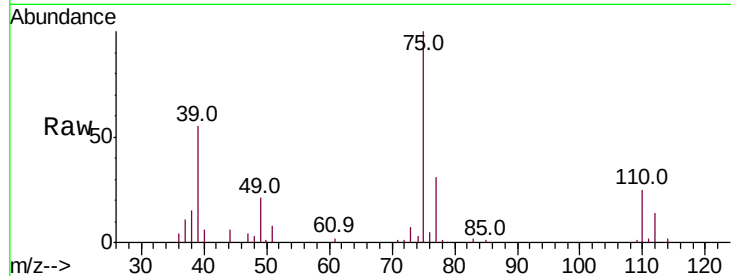


#51
 cis-1,3-Dichloropropene
 Concen: 0.982 ug/l
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

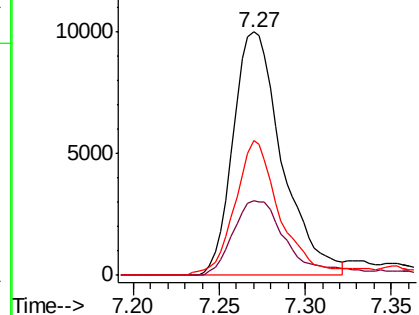
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.8	38.6
39	54.2	39.3	58.9

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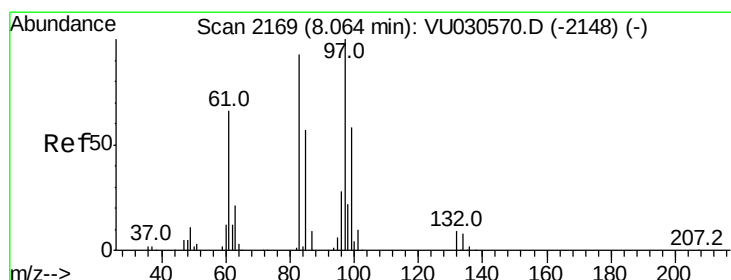
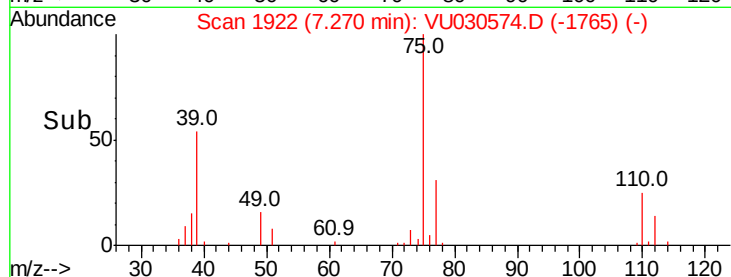


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0



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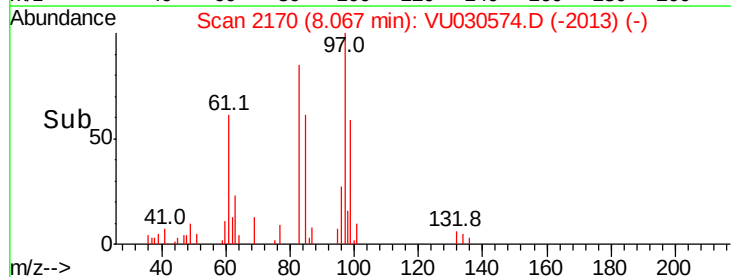
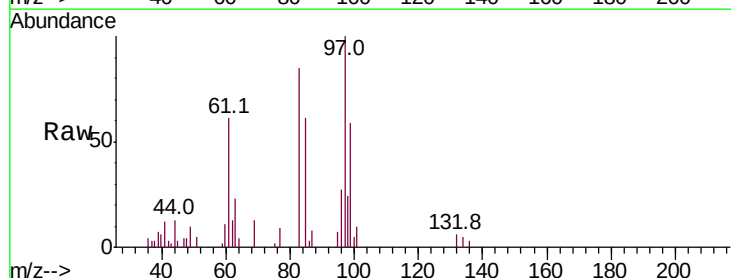
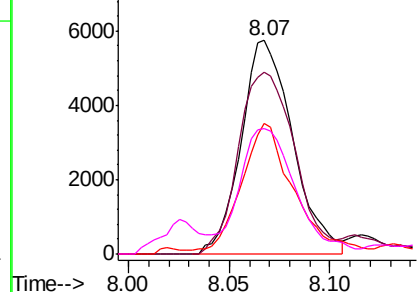
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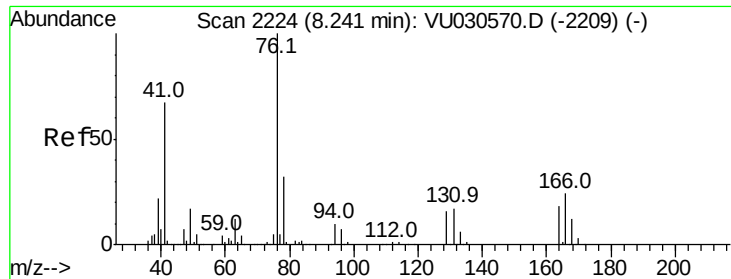


#52
 1,1,2-Trichloroethane
 Concen: 0.980 ug/l
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.1	74.3	111.5
85	59.4	45.4	68.0
99	53.4	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: 1.017 ug/l

RT: 8.24 min Scan# 2225

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

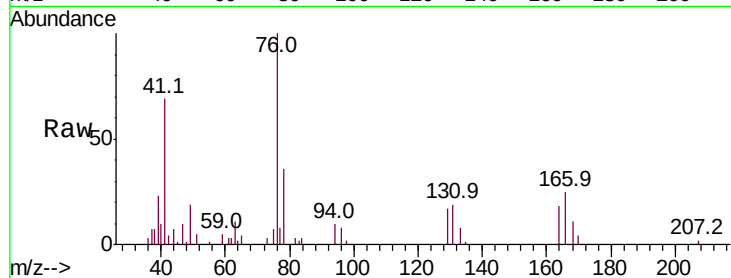
Tot Ion: 76 Resp: 18203

Ion Ratio Lower Upper

76 100

78 34.8 25.3 37.9

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Abundance Ion 76.00 (75.70 to 76.70): VU030574.D (-2209) (-)

Ion 78.00 (77.70 to 78.70): VU030574.D (-2209) (-)

8.24

10000

8000

6000

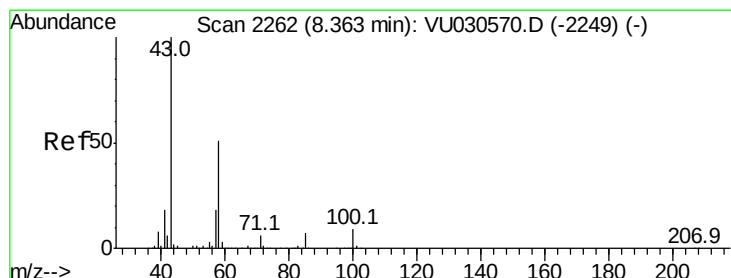
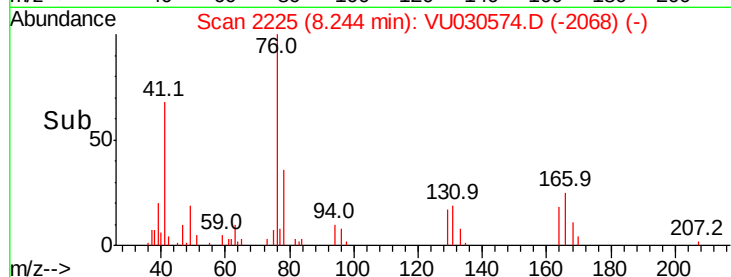
4000

2000

0

8.20 8.25 8.30

Time-->



#54

2-Hexanone

Concen: 5.942 ug/l

RT: 8.37 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

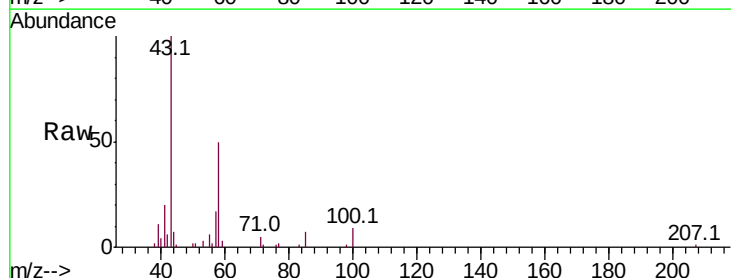
Tgt Ion: 43 Resp: 33586

Ion Ratio Lower Upper

43 100

58 50.9 32.5 72.5

57 15.0 0.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VU030574.D (-2249) (-)

Ion 58.00 (57.70 to 58.70): VU030574.D (-2249) (-)

Ion 57.00 (56.70 to 57.70): VU030574.D (-2249) (-)

8.37

20000

15000

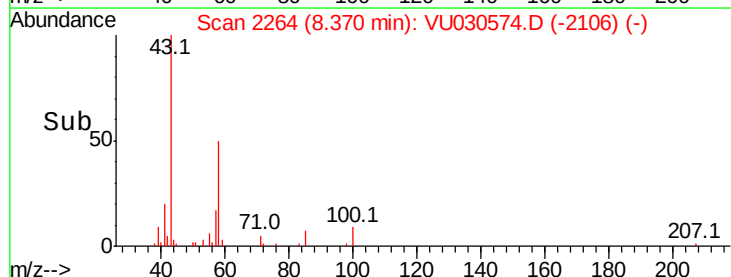
10000

5000

0

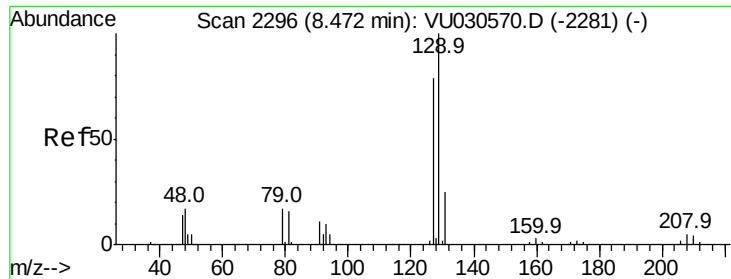
8.30 8.35 8.40 8.45

Time-->



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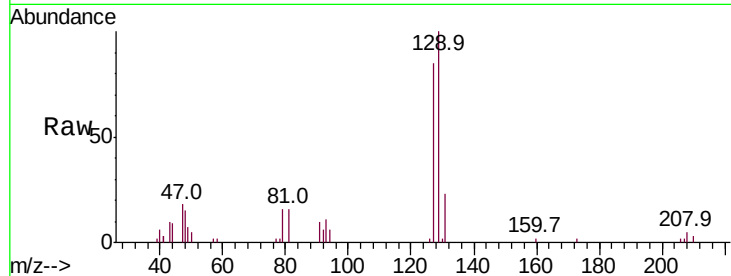


#55
Dibromochloromethane
Concen: 1.008 ug/l
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

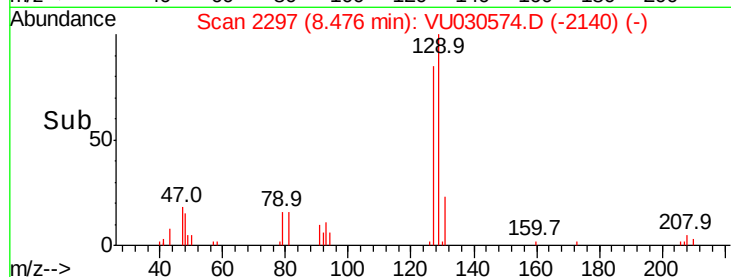
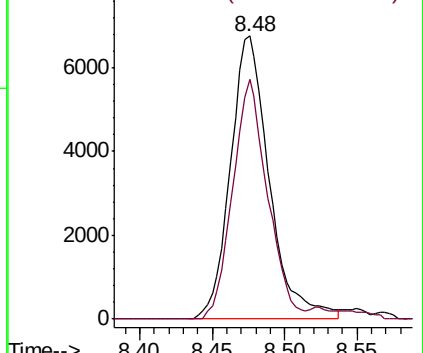
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:129 Resp: 12620
Ion Ratio Lower Upper
129 100
127 75.6 62.2 93.4

Manual Integrations
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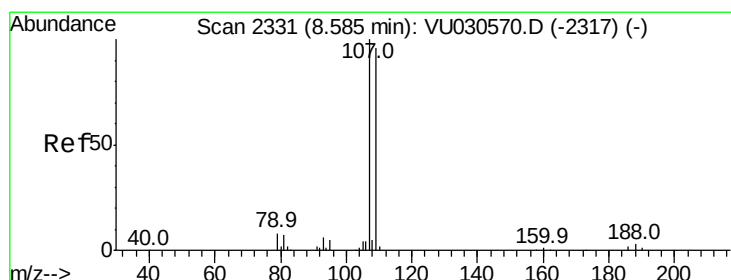


Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



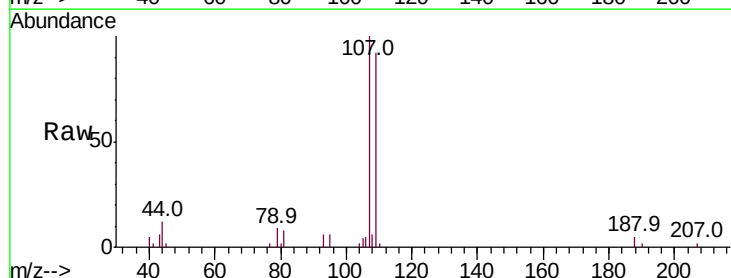
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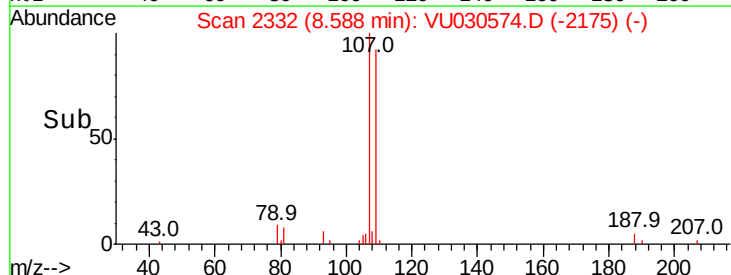
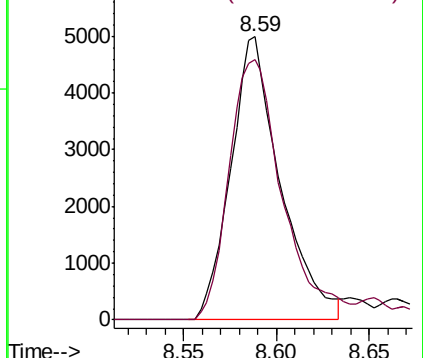


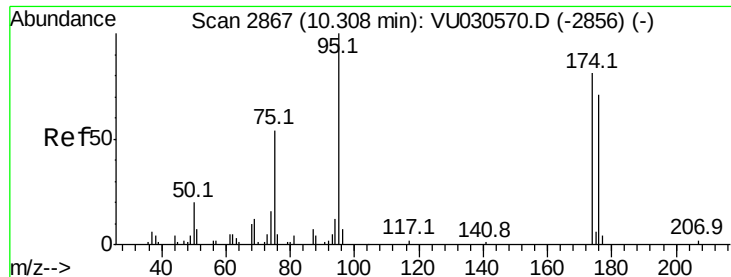
#56
1,2-Dibromoethane
Concen: 0.927 ug/l
RT: 8.59 min Scan# 2332
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Tgt Ion:107 Resp: 9287
Ion Ratio Lower Upper
107 100
109 99.1 0.0 190.0



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



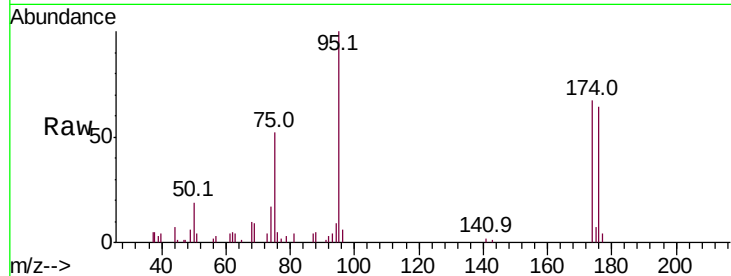


#57
4-Bromofluorobenzene
Concen: 0.927 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
95	100		
174	72.0	60.5	90.7
176	66.5	57.9	86.9

Manual Integrations
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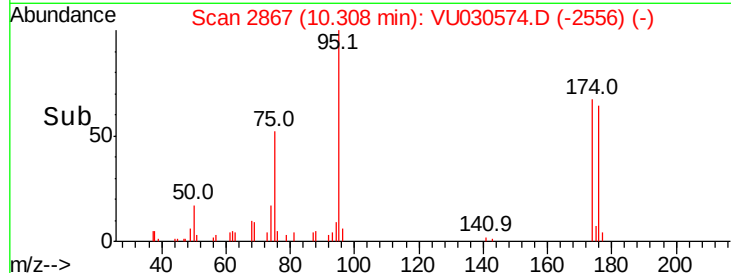
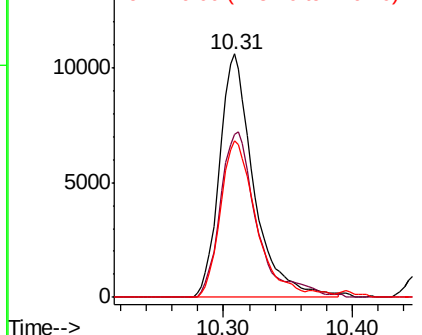


Abundance

Ion 95.00 (94.70 to 95.70): VU030574.D (-2856) (-)

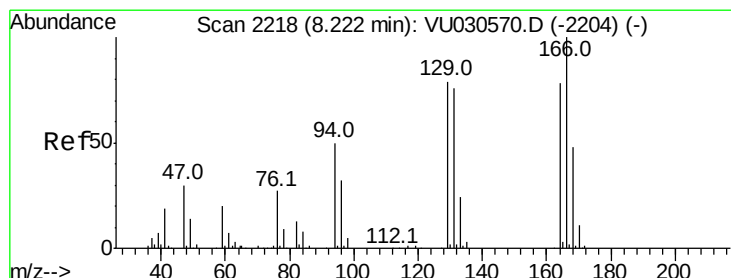
Ion 174.00 (173.70 to 174.70): VU030574.D (-2856) (-)

Ion 176.00 (175.70 to 176.70): VU030574.D (-2856) (-)



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#58
Tetrachloroethene
Concen: 0.879 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.5	102.4	153.6
129	97.7	81.4	122.0
131	94.5	77.7	116.5

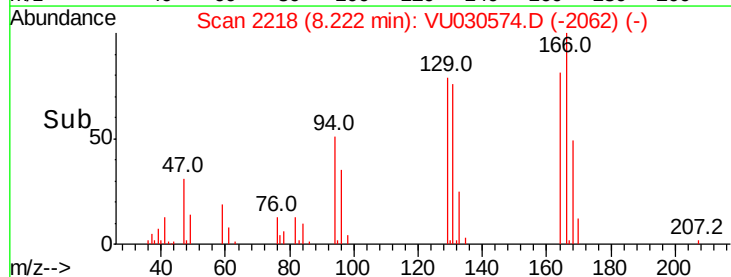
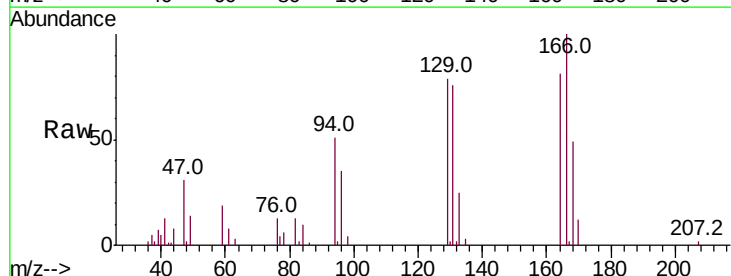
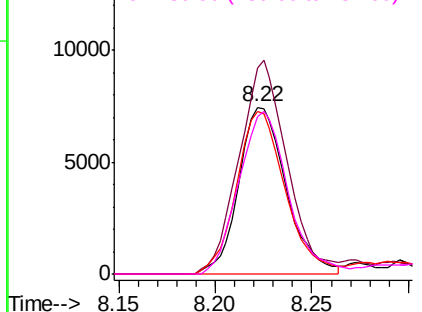
Abundance

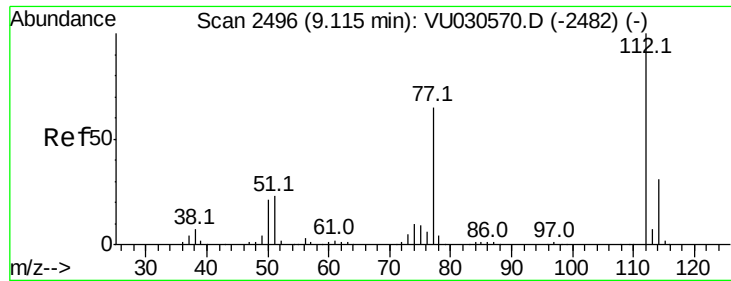
Ion 163.85 (163.55 to 164.55): VU030574.D (-2204) (-)

Ion 165.80 (165.50 to 166.50): VU030574.D (-2204) (-)

Ion 128.90 (128.60 to 129.60): VU030574.D (-2204) (-)

Ion 130.90 (130.60 to 131.60): VU030574.D (-2204) (-)



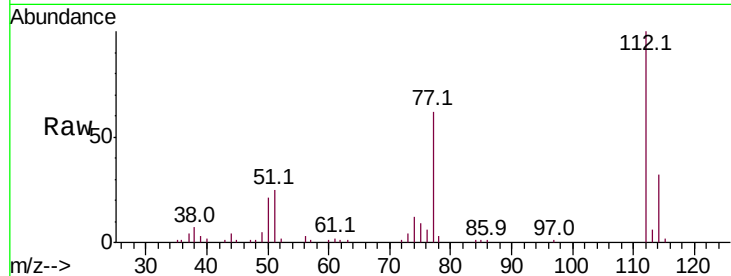


#59
Chlorobenzene
Concen: 0.854 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

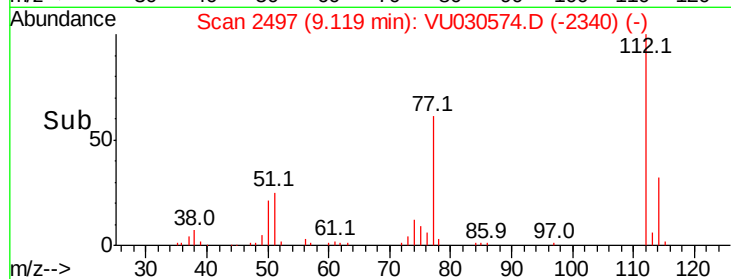
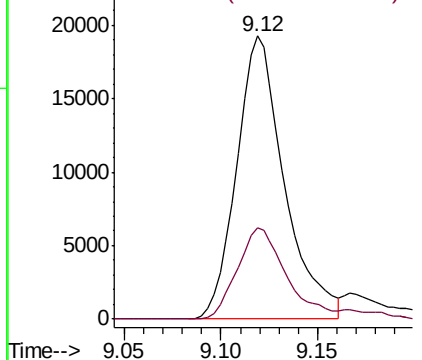
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:112 Resp: 33012
Ion Ratio Lower Upper
112 100
114 32.4 24.9 37.3

Manual Integrations
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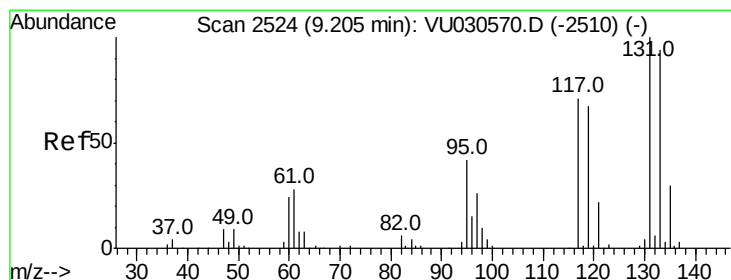


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V



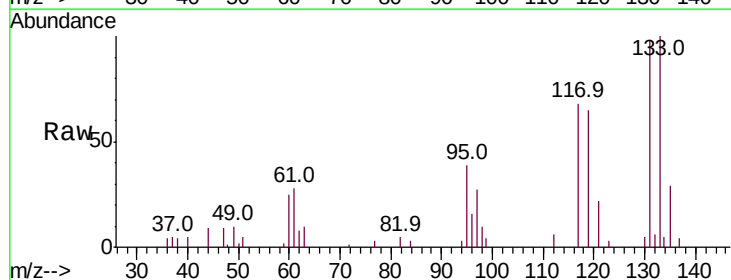
MMDadoda

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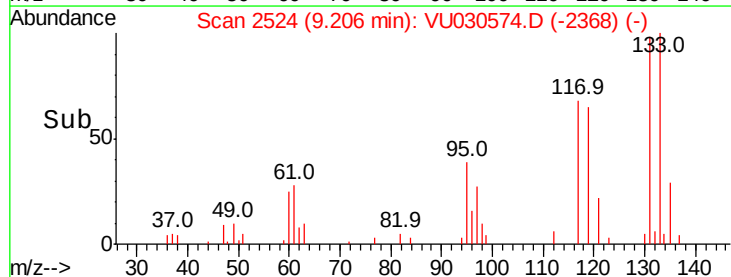
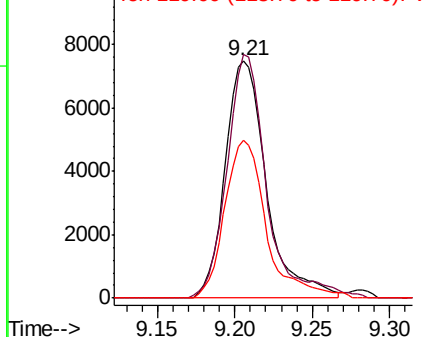


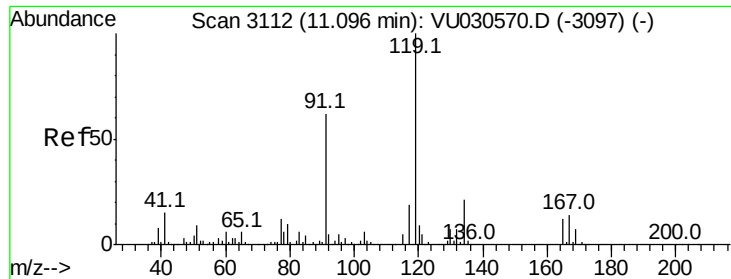
#60
1,1,1,2-Tetrachloroethane
Concen: 1.025 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Tgt Ion:131 Resp: 13894
Ion Ratio Lower Upper
131 100
133 98.8 77.5 116.3
119 66.9 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



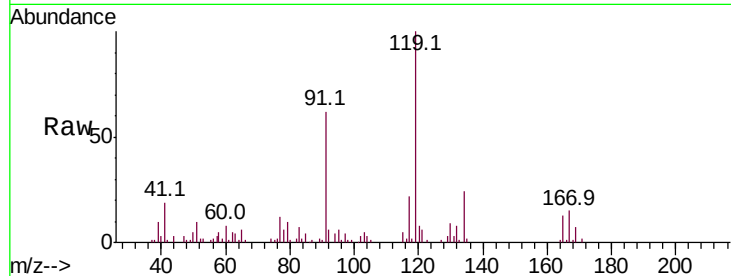


#61
 Pentachloroethane
 Concen: 0.998 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

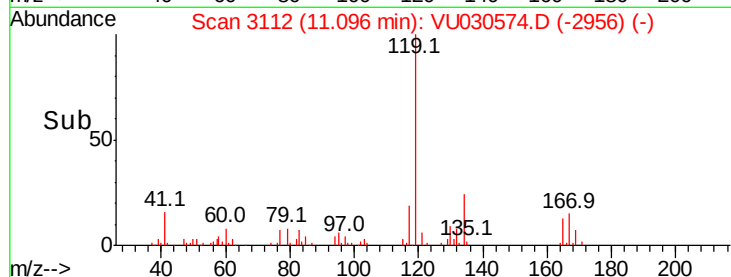
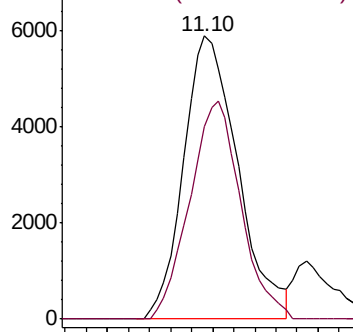
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:117 Resp: 10529
 Ion Ratio Lower Upper
 117 100
 167 72.5 62.6 93.8

Manual Integrations
 APPROVED

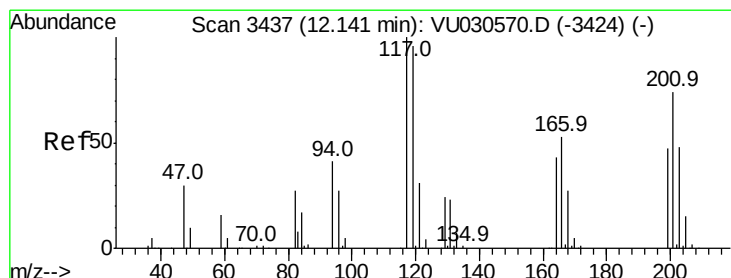


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 166.70 (166.40 to 167.40): V



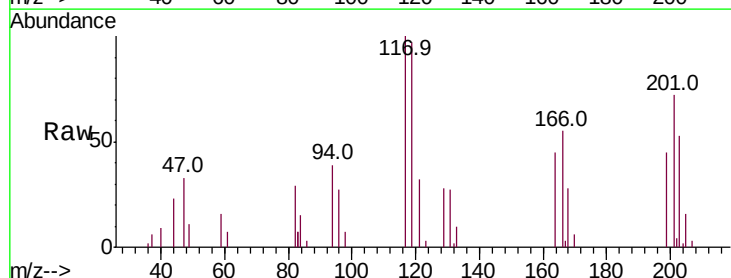
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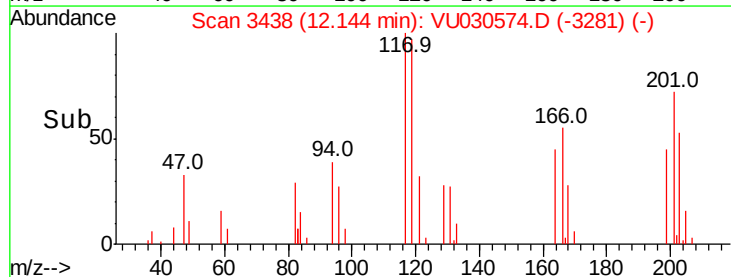
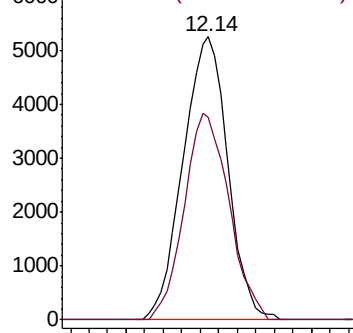


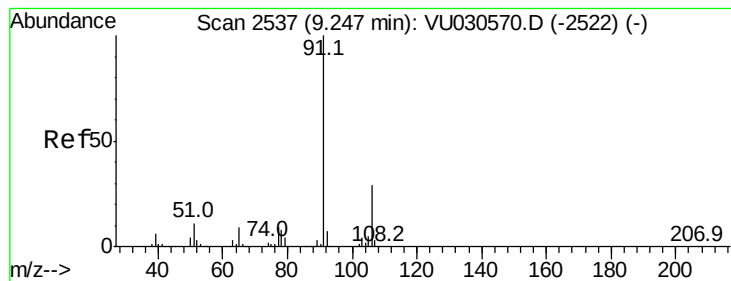
#62
 Hexachloroethane
 Concen: 0.853 ug/l
 RT: 12.14 min Scan# 3438
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Tgt Ion:117 Resp: 8811
 Ion Ratio Lower Upper
 117 100
 201 73.3 59.1 88.7



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 0.921 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

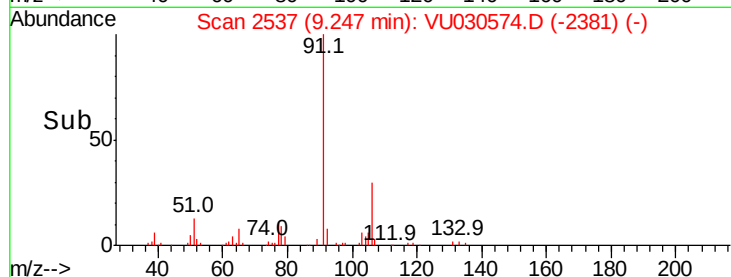
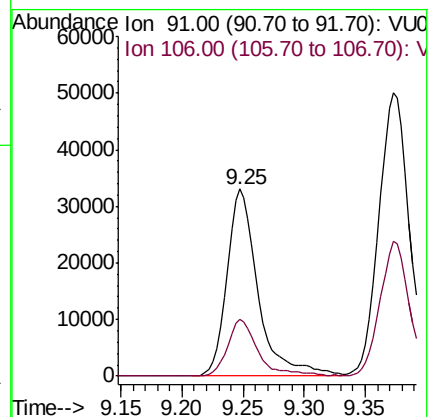
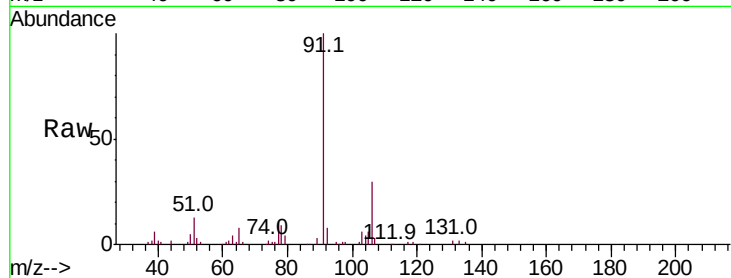
Tot Ion: 91 Resp: 59315

Ion Ratio Lower Upper

91 100

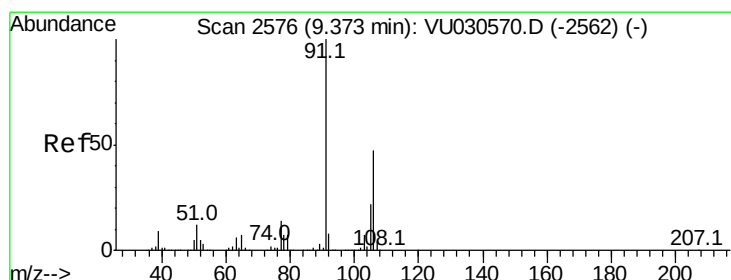
106 30.2 23.1 34.7

Manual Integrations
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#64

m/p-Xylenes

Concen: 1.744 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU030574.D

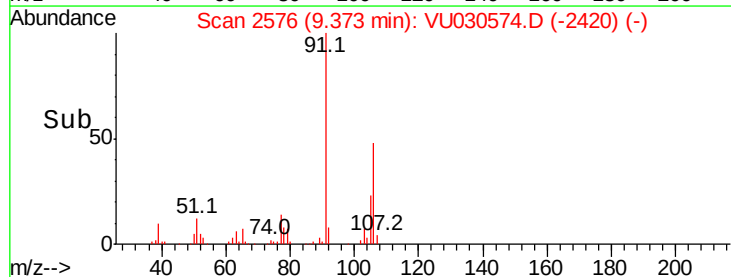
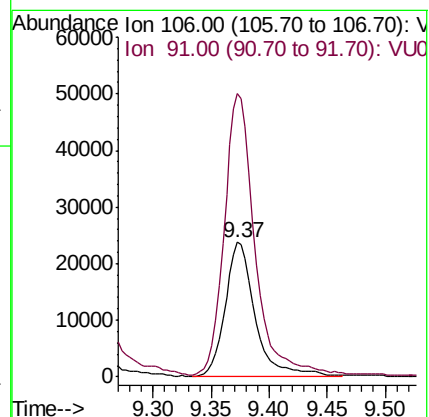
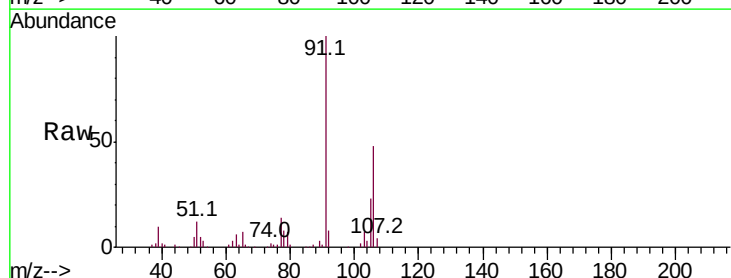
Acq: 30 Mar 2019 14:44

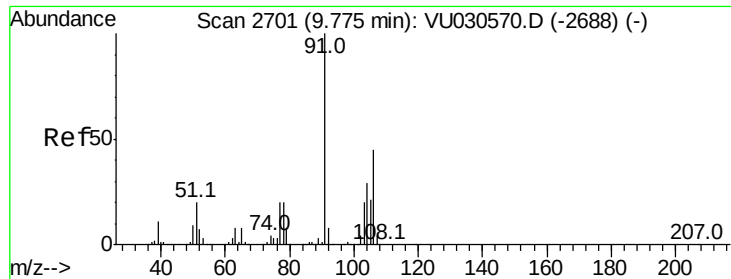
Tgt Ion: 106 Resp: 43394

Ion Ratio Lower Upper

106 100

91 210.0 179.4 269.0



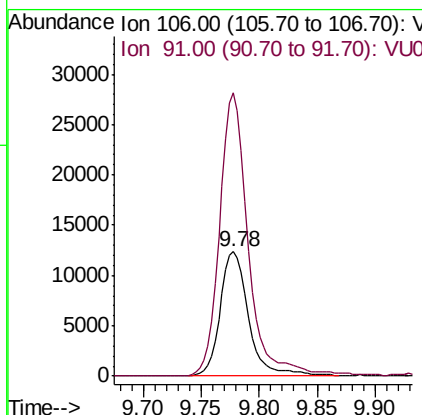
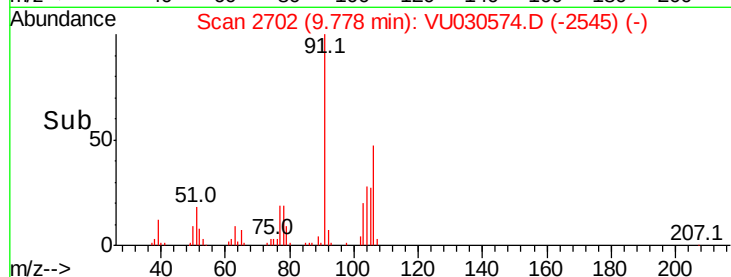
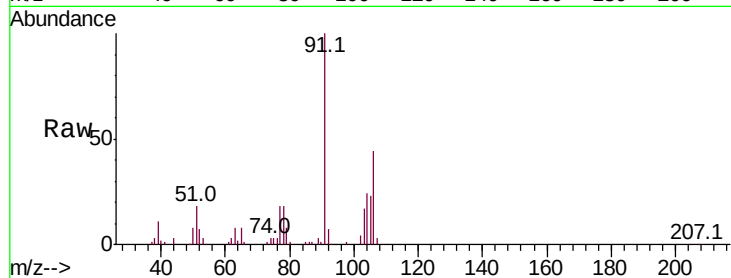


#65
o-Xylene
Concen: 0.866 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

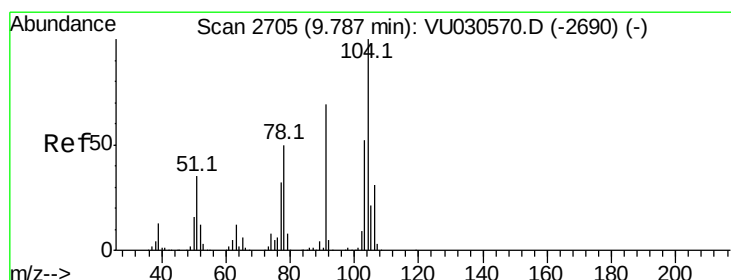
Tot Ion:106 Resp: 21113
Ion Ratio Lower Upper
106 100
91 230.0 115.5 346.4

Manual Integrations
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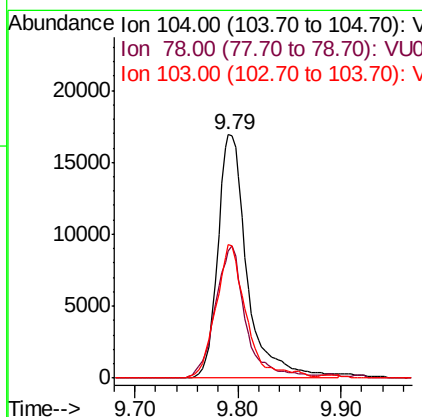
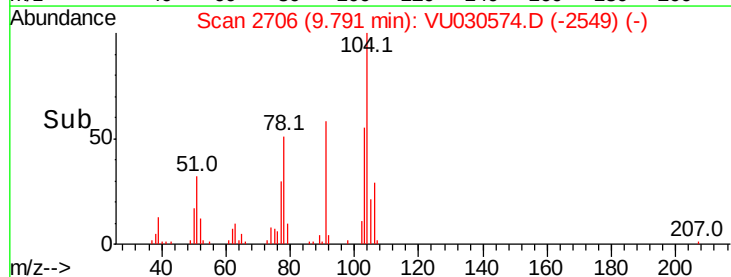
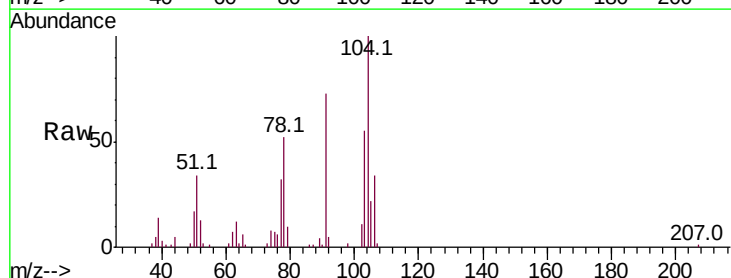
MM Dadoda

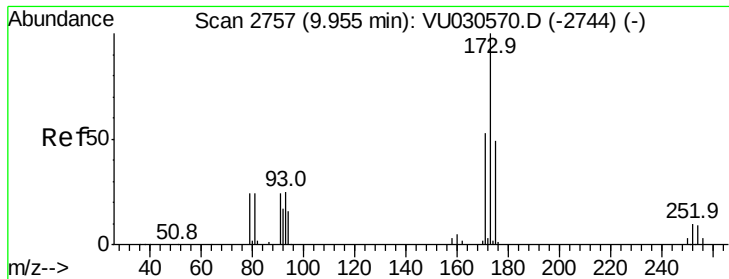
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#66
Styrene
Concen: 0.834 ug/l
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Tgt Ion:104 Resp: 33583
Ion Ratio Lower Upper
104 100
78 55.6 42.3 63.5
103 55.8 44.7 67.1





#67

Bromoform

Concen: 0.957 ug/l

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

ClientSampled :

VSTDIC001

Tot Ion:173 Resp: 6790

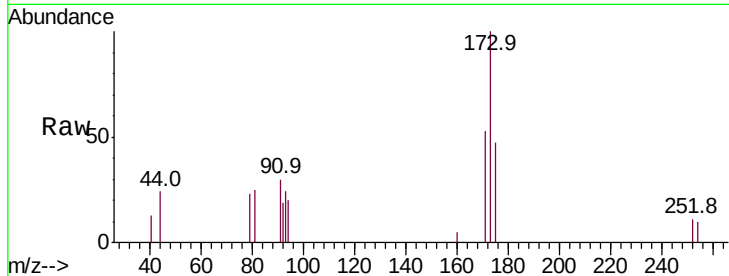
Ion Ratio Lower Upper

173 100

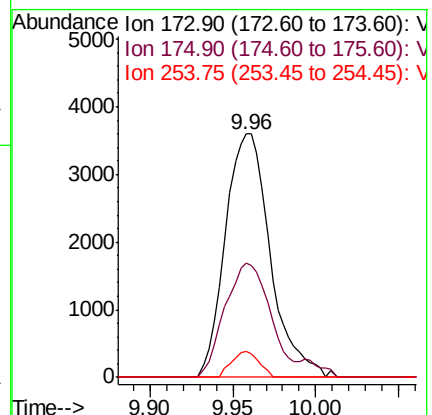
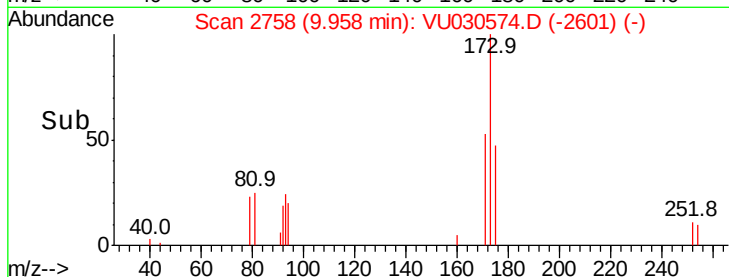
175 47.7 38.6 57.8

254 6.3 6.9 10.3#

Manual Integrations
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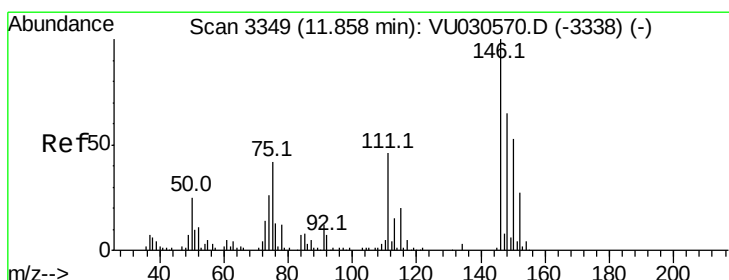


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



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#68

1,2-Dichlorobenzene-d4

Concen: 0.957 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

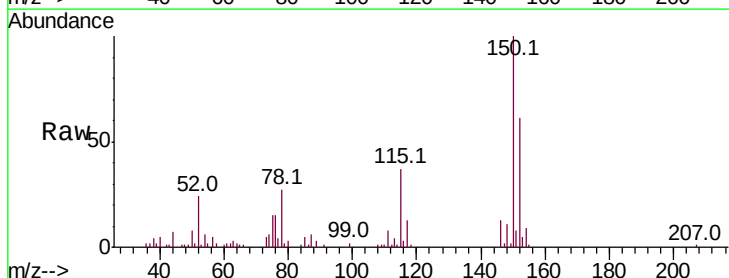
Tgt Ion:152 Resp: 18341

Ion Ratio Lower Upper

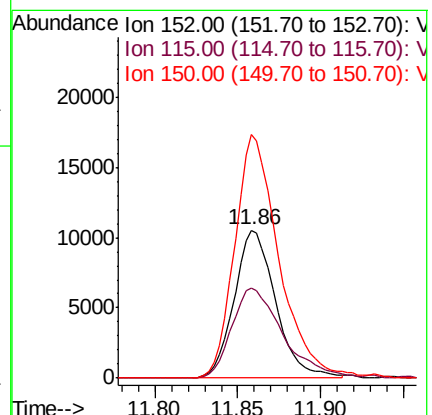
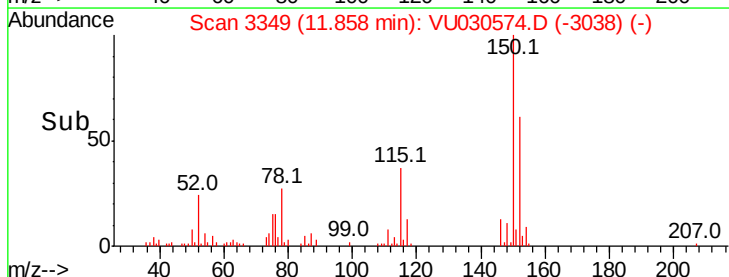
152 100

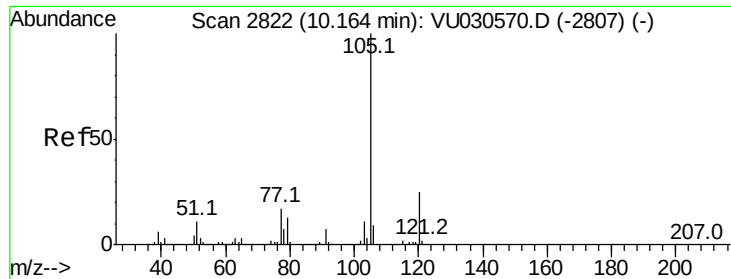
115 74.9 0.0 136.2

150 175.4 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: 0.874 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

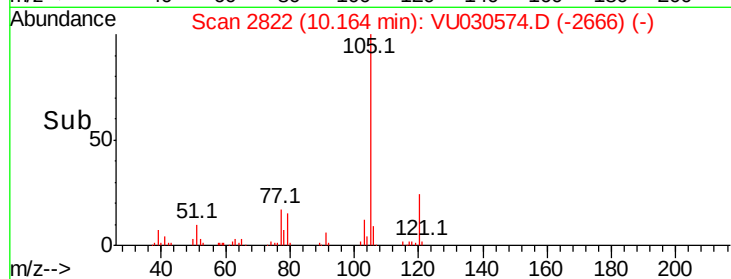
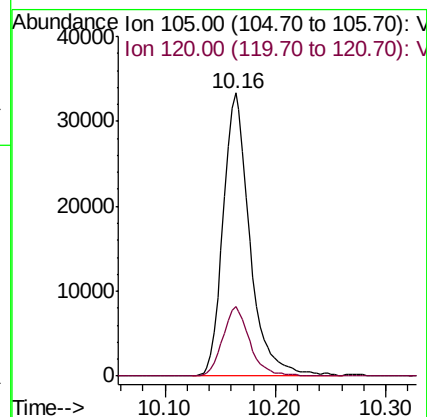
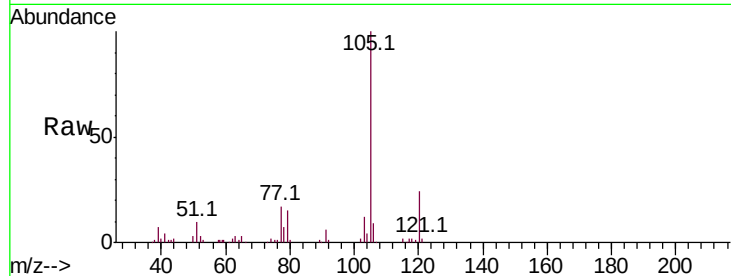
Tot Ion:105 Resp: 56053

Ion Ratio Lower Upper

105 100

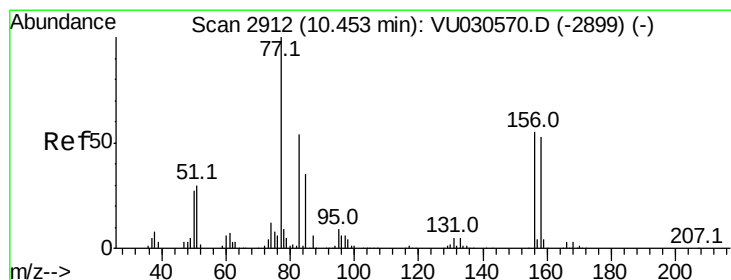
120 24.8 12.6 37.6

Manual Integrations
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#70

1,1,2,2-Tetrachloroethane

Concen: 1.185 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

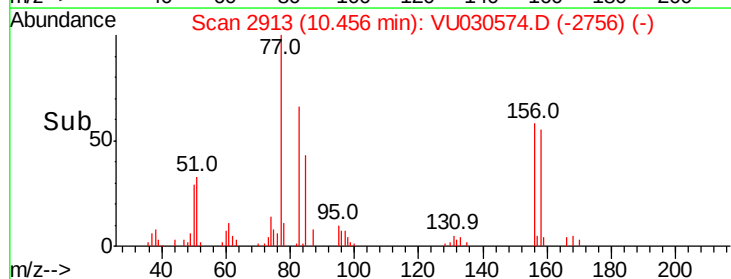
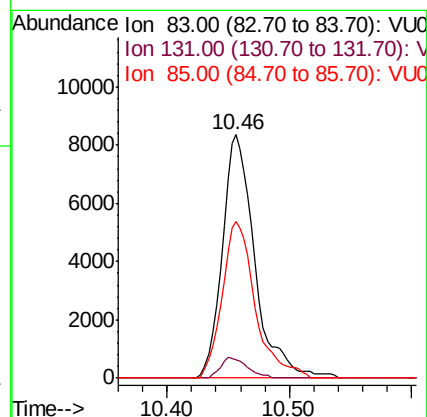
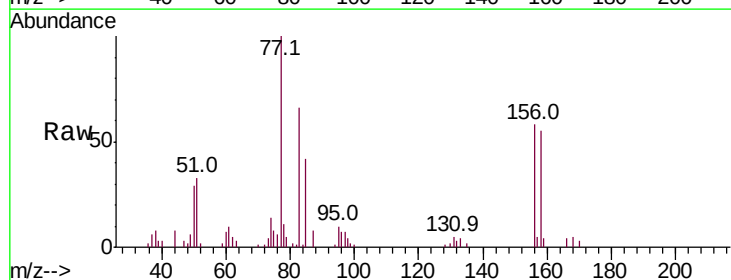
Tgt Ion: 83 Resp: 15613

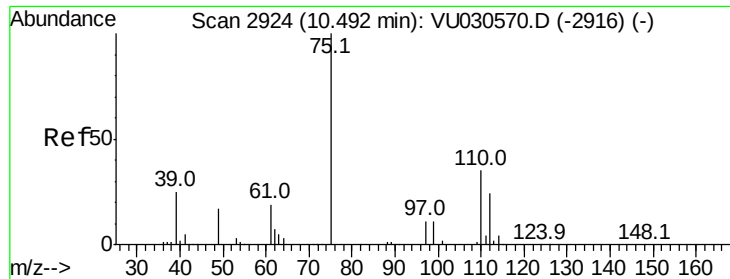
Ion Ratio Lower Upper

83 100

131 6.9 7.0 10.6#

85 65.2 51.0 76.4



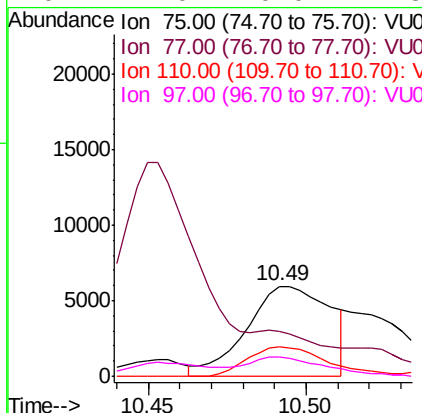
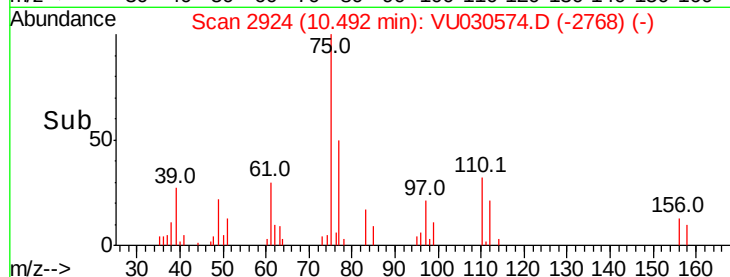
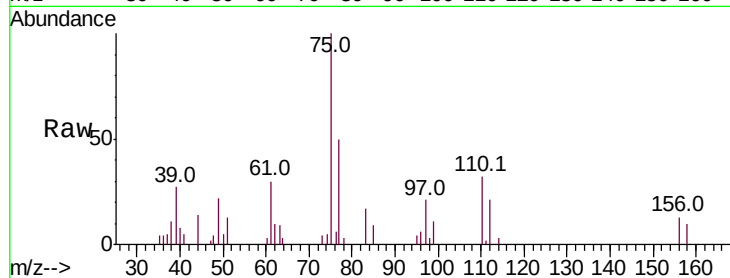


#71
 1,2,3-Trichloropropane
 Concen: 1.144 ug/l m
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

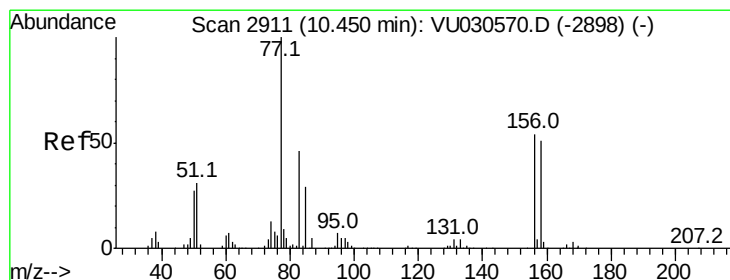
Tot Ion	Ion	Ratio	Lower	Upper
75	75.00	100		
77	77.00	0.0	0.0	0.0
110	110.00	31.2	0.0	83.8
97	97.00	21.0	0.0	42.8

Manual Integrations
 APPROVED



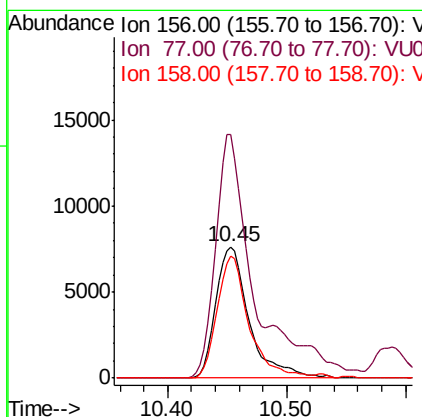
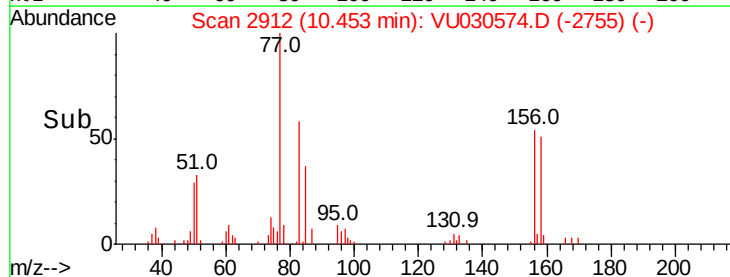
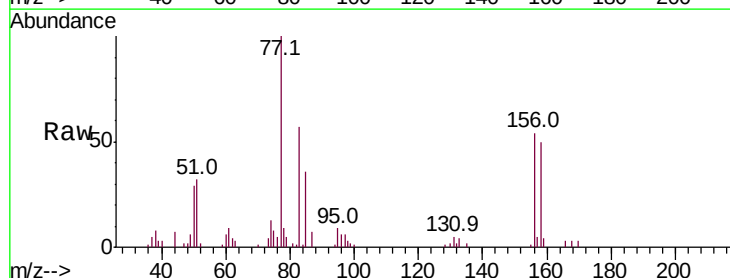
MMDadoda

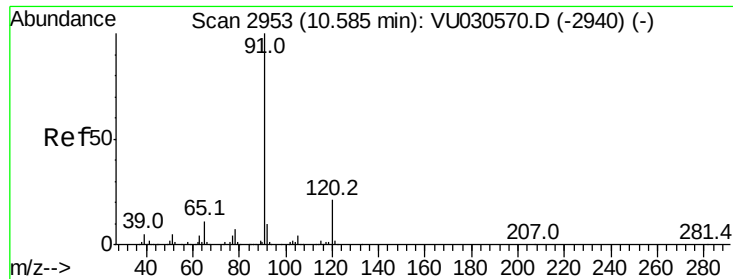
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#72
 Bromobenzene
 Concen: 0.899 ug/l
 RT: 10.45 min Scan# 2912
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Tgt Ion	Ion	Ratio	Lower	Upper
156	156.00	100		
77	77.00	168.9	0.0	363.0
158	158.00	88.3	0.0	193.2





#73

n-propylbenzene

Concen: 0.787 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

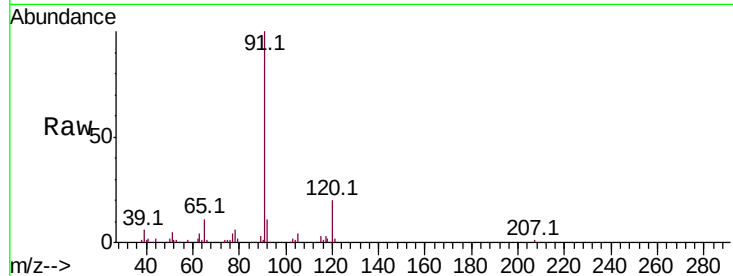
Tot Ion:120 Resp: 14146

Ion Ratio Lower Upper

120 100

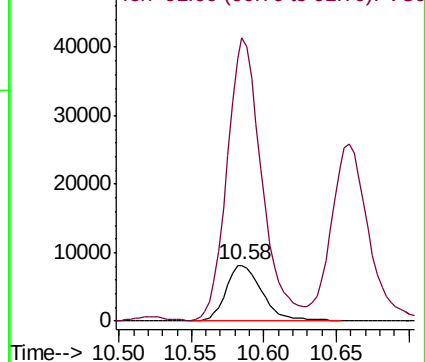
91 479.9 371.6 557.4

Manual Integrations
APPROVED



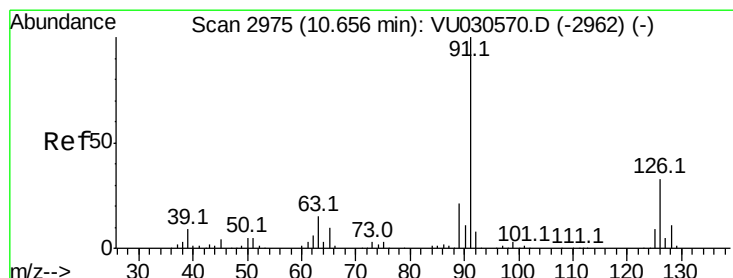
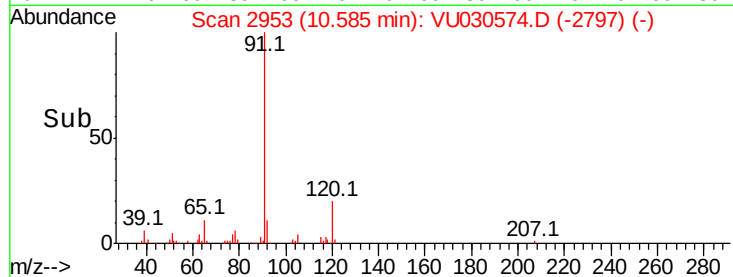
Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



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#74

2-Chlorotoluene

Concen: 0.855 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU030574.D

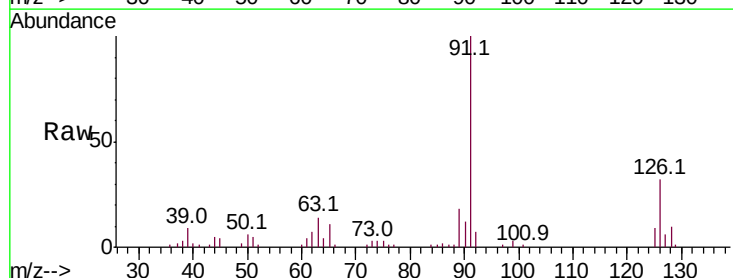
Acq: 30 Mar 2019 14:44

Tgt Ion:126 Resp: 13516

Ion Ratio Lower Upper

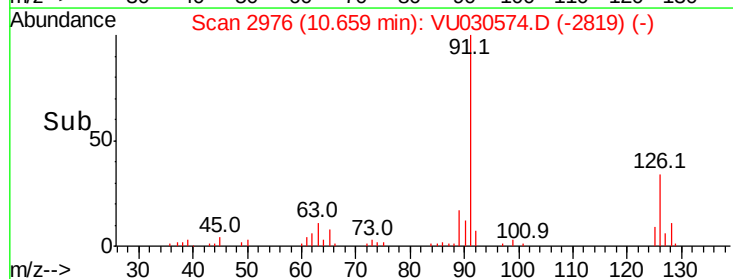
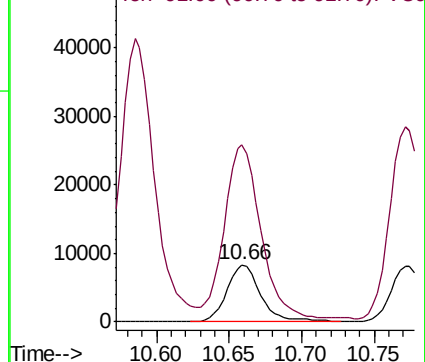
126 100

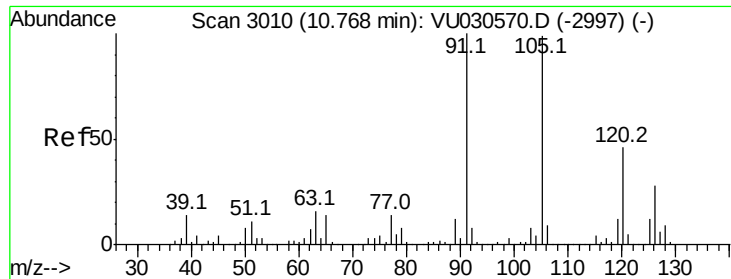
91 325.8 0.0 656.8



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: 0.852 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

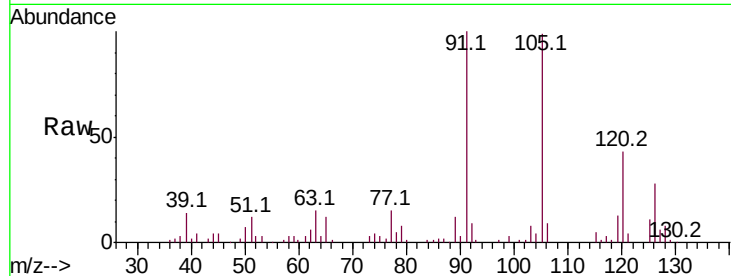
Tot Ion:105 Resp: 46389

Ion Ratio Lower Upper

105 100

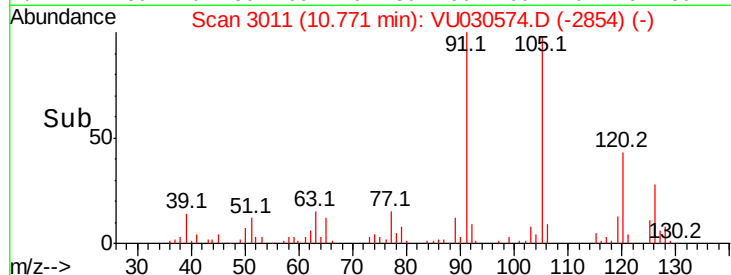
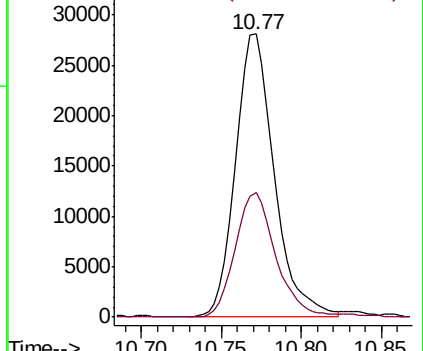
120 45.6 37.6 56.4

Manual Integrations
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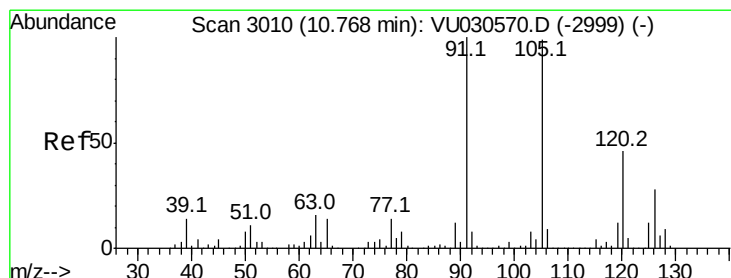
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#76

4-Chlorotoluene

Concen: 0.853 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU030574.D

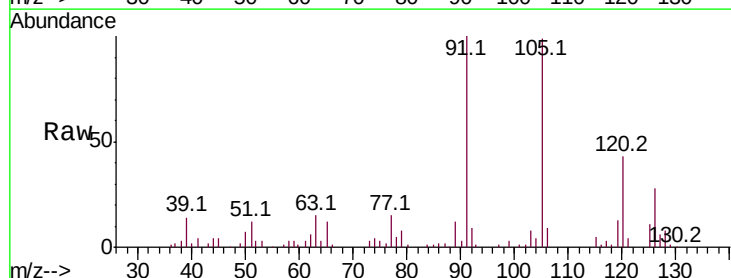
Acq: 30 Mar 2019 14:44

Tgt Ion:126 Resp: 13710

Ion Ratio Lower Upper

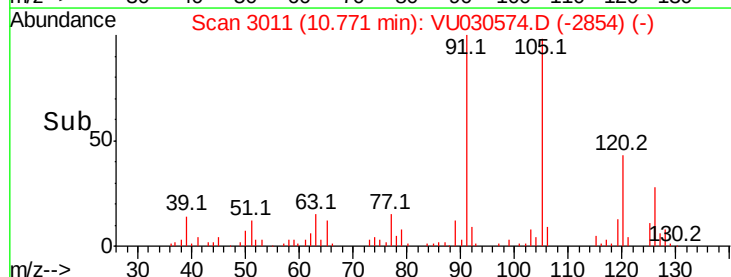
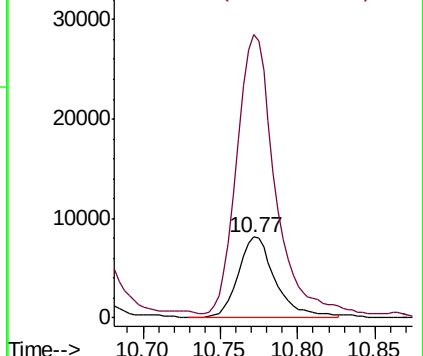
126 100

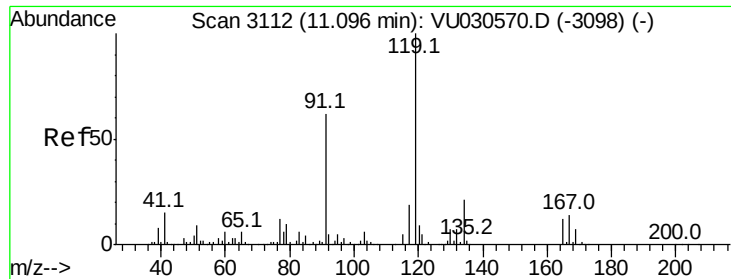
91 348.6 0.0 721.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



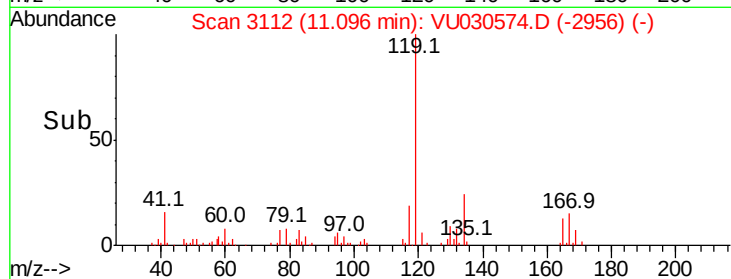
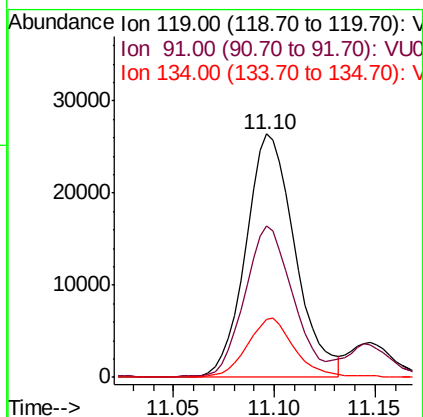
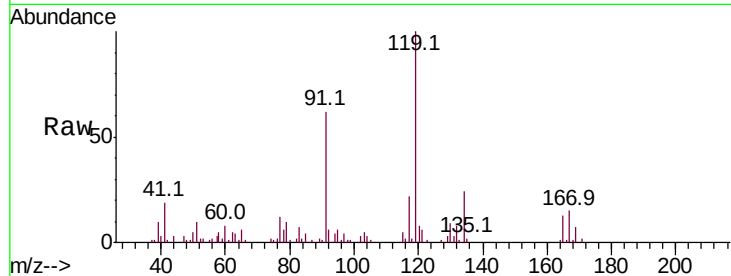


#77
 tert-Butylbenzene
 Concen: 0.849 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

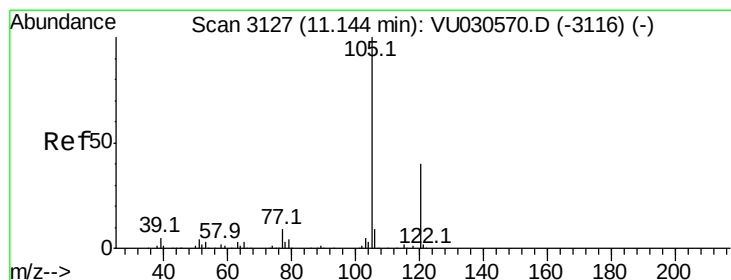
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.1	30.9	92.8
134	23.2	17.6	26.4

Manual Integrations
 APPROVED



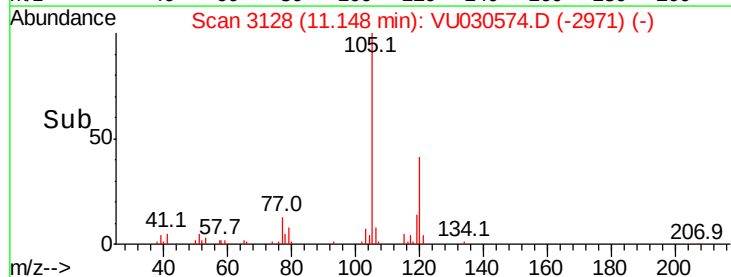
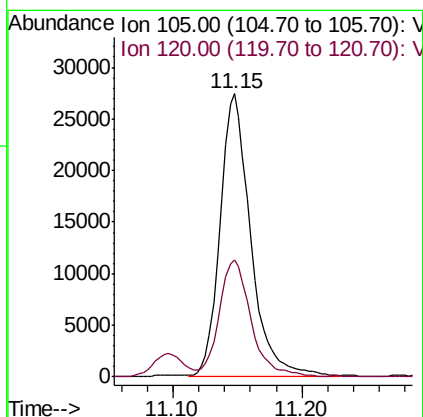
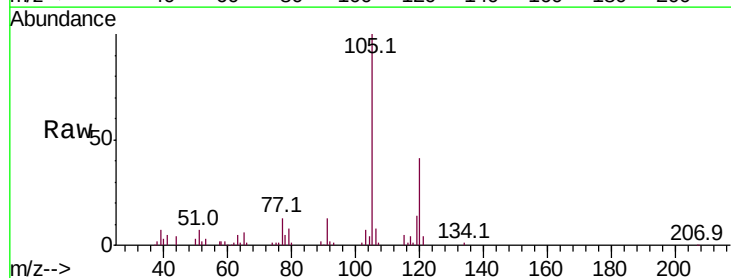
MMDadoda

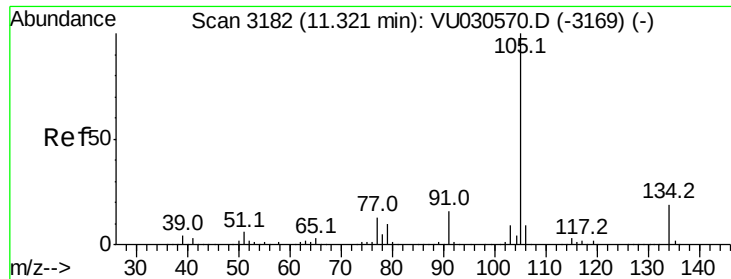
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#78
 1,2,4-Trimethylbenzene
 Concen: 0.808 ug/l
 RT: 11.15 min Scan# 3128
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.5





#79

sec-Butylbenzene

Concen: 0.848 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

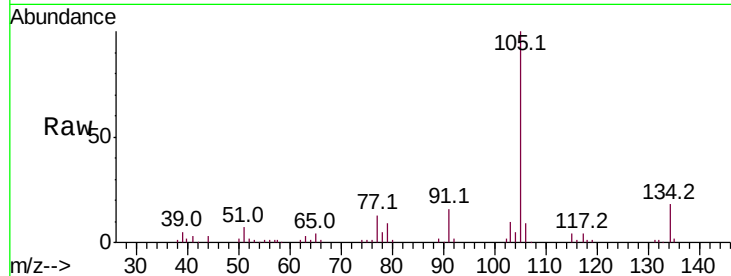
Tot Ion:105 Resp: 60274

Ion Ratio Lower Upper

105 100

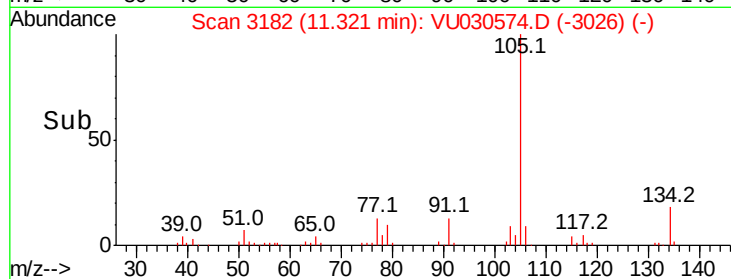
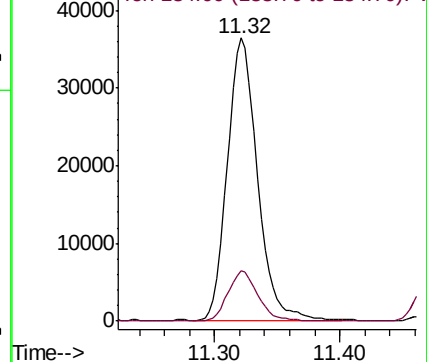
134 17.8 14.7 22.1

Manual Integrations
APPROVED



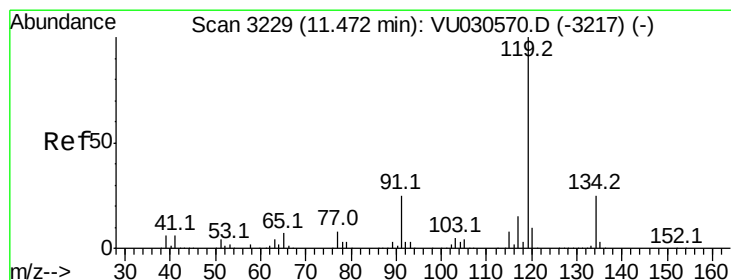
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



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#81

p-Isopropyltoluene

Concen: 0.760 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

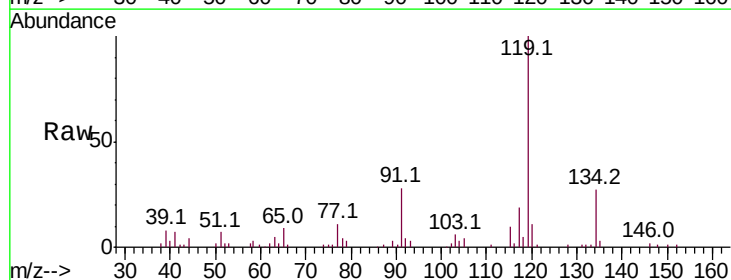
Tgt Ion:119 Resp: 44735

Ion Ratio Lower Upper

119 100

134 25.6 20.6 31.0

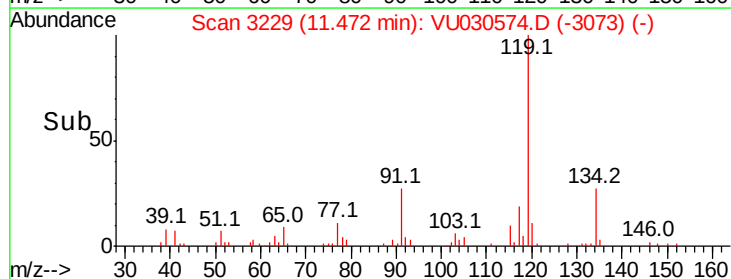
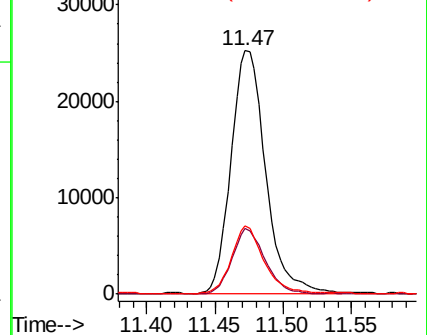
91 26.5 20.4 30.6

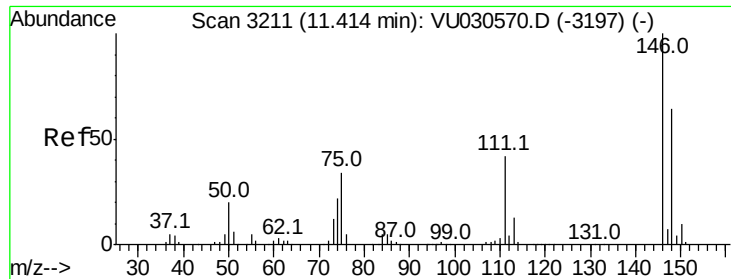


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0



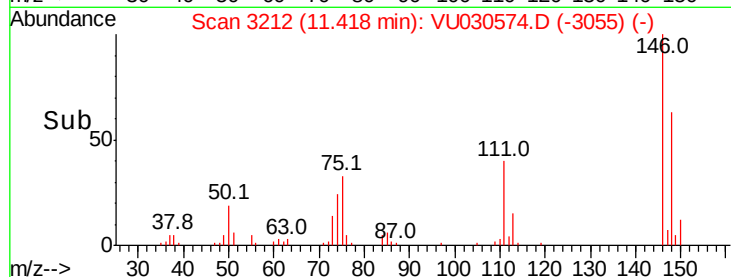
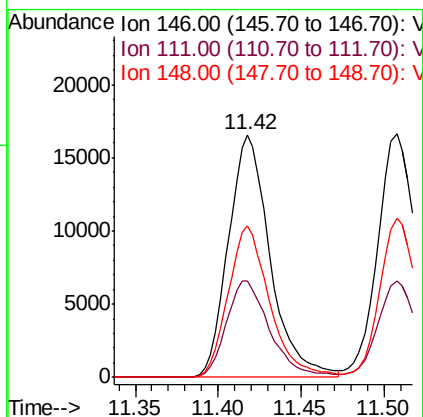
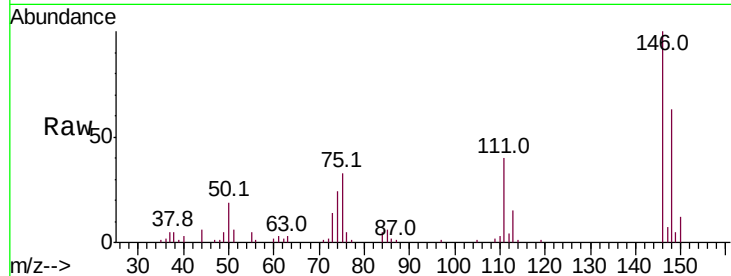


#82
1,3-Dichlorobenzene
Concen: 0.872 ug/l
RT: 11.42 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

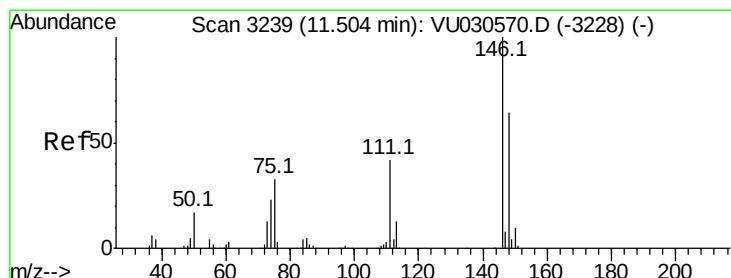
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	34.0	51.0
148	62.4	51.0	76.6

Manual Integrations
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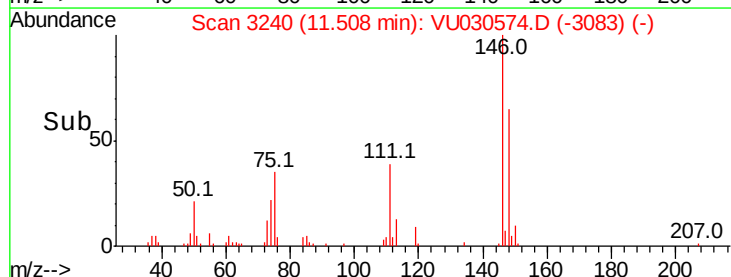
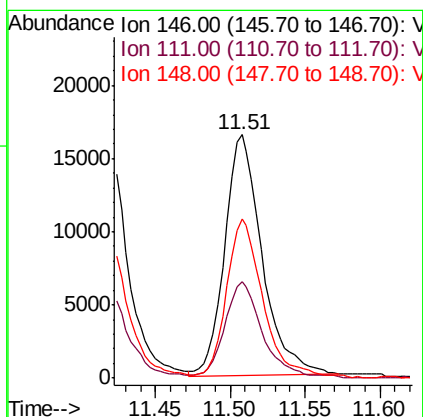
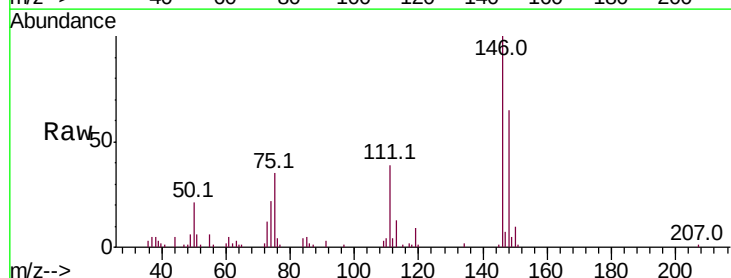
MMDadoda

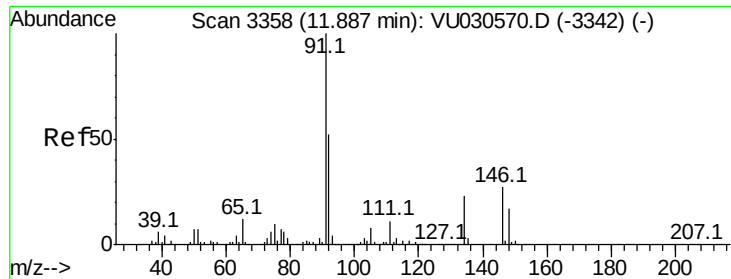
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#83
1,4-Dichlorobenzene
Concen: 0.855 ug/l
RT: 11.51 min Scan# 3240
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	32.8	49.2
148	61.8	50.5	75.7





#84

n-Butylbenzene

Concen: 0.802 ug/l

RT: 11.89 min Scan# 3359

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

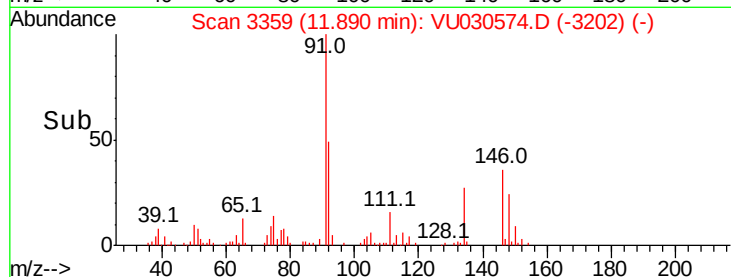
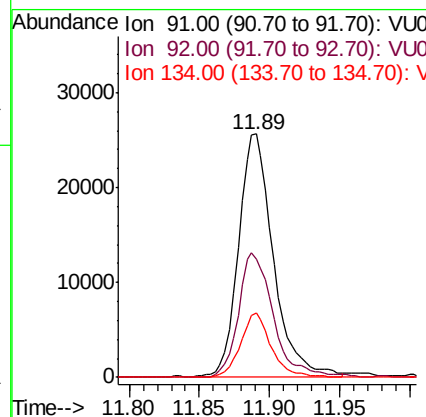
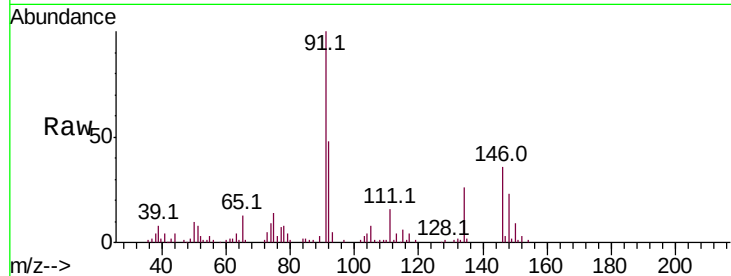
MSVOA_U

ClientSampleId :

VSTDIC001

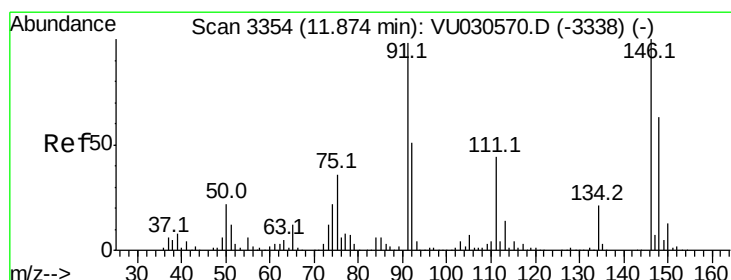
Tot Ion:	91	Resp:	44385
Ion	Ratio	Lower	Upper
91	100		
92	50.5	41.7	62.5
134	23.1	18.3	27.5

Manual Integrations
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#85

1,2-Dichlorobenzene

Concen: 0.891 ug/l

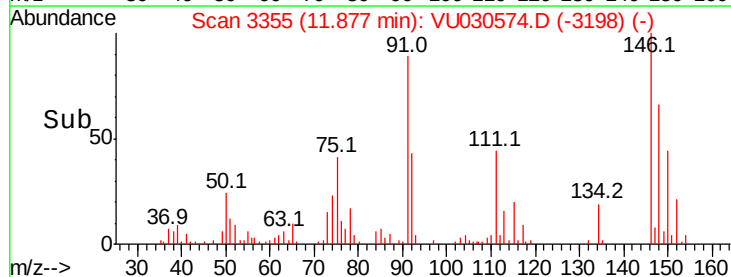
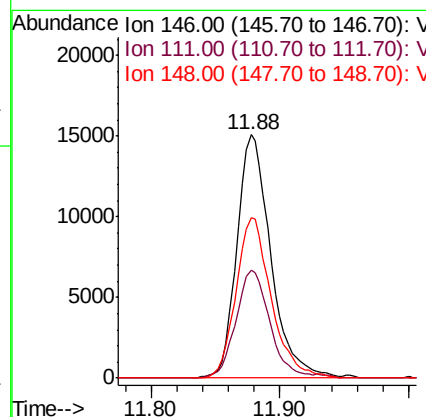
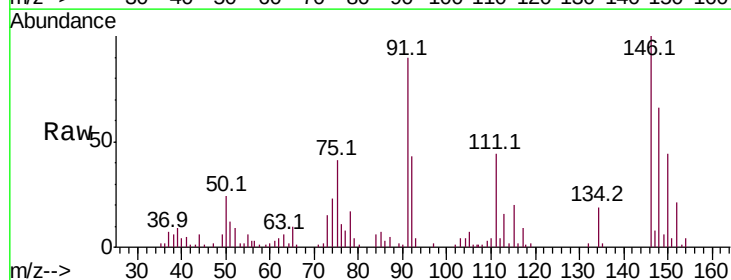
RT: 11.88 min Scan# 3355

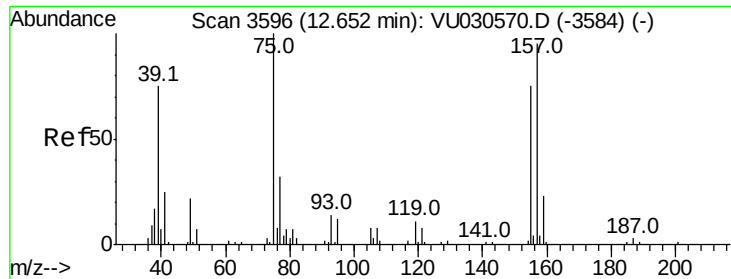
Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Tgt Ion:	146	Resp:	27586
Ion	Ratio	Lower	Upper
146	100		
111	45.0	21.9	65.5
148	68.3	31.5	94.5





#86

1,2-Dibromo-3-Chloropropane

Concen: 1.137 ug/l

RT: 12.66 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 2157

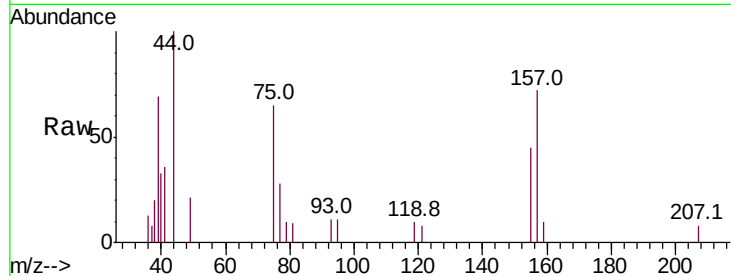
Ion Ratio Lower Upper

75 100

155 61.9 59.7 89.5

157 99.0 73.7 110.5

Manual Integrations
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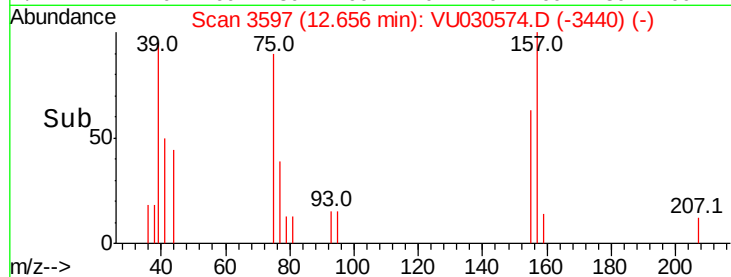
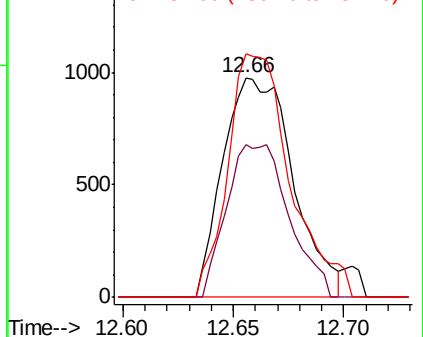


Abundance

Ion 75.00 (74.70 to 75.70): VU030574.D (-3584) (-)

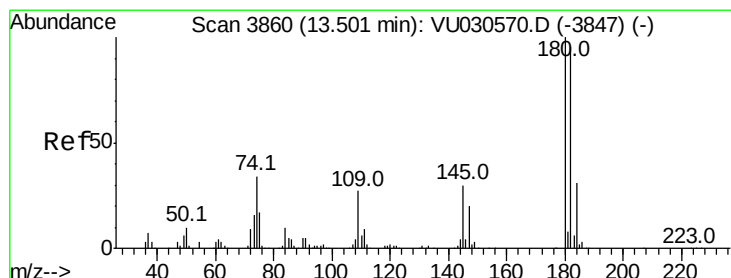
Ion 155.00 (154.70 to 155.70): VU030574.D (-3584) (-)

Ion 157.00 (156.70 to 157.70): VU030574.D (-3584) (-)



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#87

1,2,4-Trichlorobenzene

Concen: 0.683 ug/l

RT: 13.51 min Scan# 3862

Delta R.T. 0.01 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

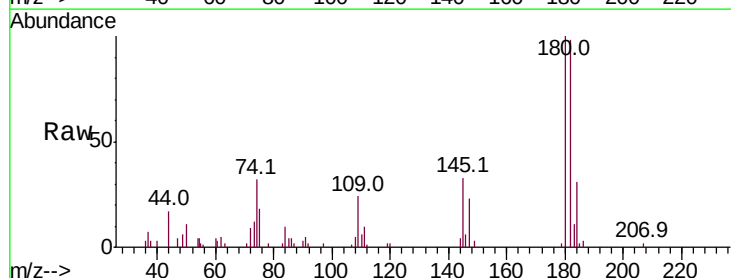
Tgt Ion: 180 Resp: 14801

Ion Ratio Lower Upper

180 100

182 92.2 76.0 114.0

145 28.9 24.3 36.5

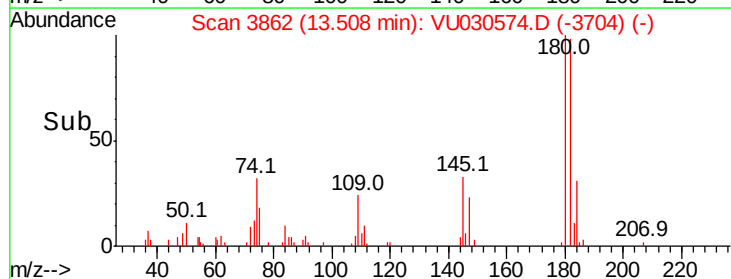
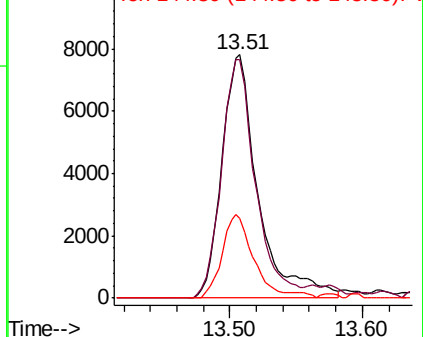


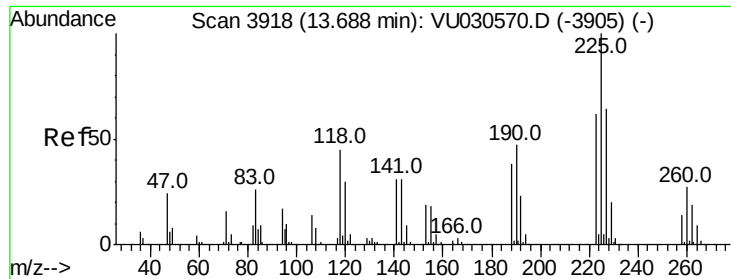
Abundance

Ion 179.70 (179.40 to 180.40): VU030574.D (-3847) (-)

Ion 181.80 (181.50 to 182.50): VU030574.D (-3847) (-)

Ion 144.80 (144.50 to 145.50): VU030574.D (-3847) (-)





#88

Hexachlorobutadiene

Concen: 0.798 ug/l

RT: 13.69 min Scan# 3918

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

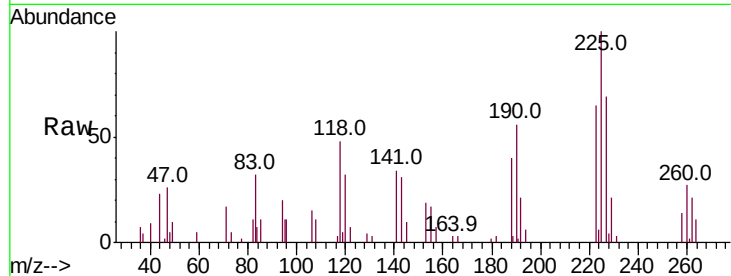
MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:	225	Resp:	9572
Ion	Ratio	Lower	Upper
225	100		
223	65.4	50.7	76.1
227	66.9	50.8	76.2

Manual Integrations
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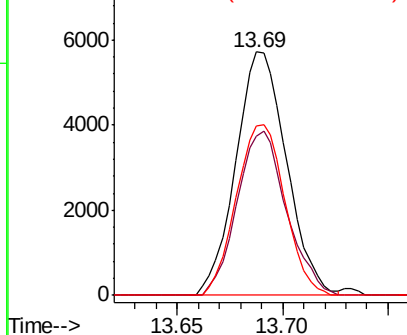


Abundance

Ion 224.60 (224.30 to 225.30): V

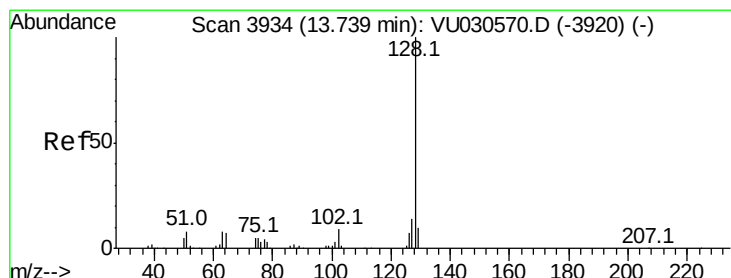
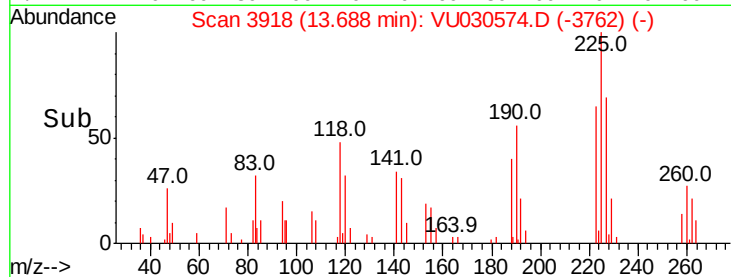
Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V



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#89

Naphthalene

Concen: 0.635 ug/l

RT: 13.75 min Scan# 3936

Delta R.T. 0.01 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

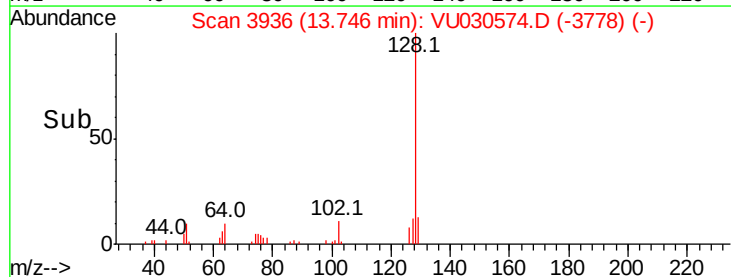
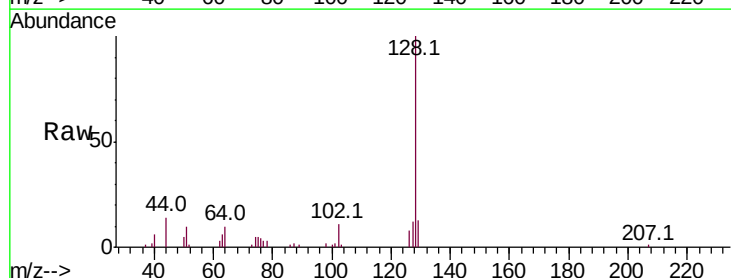
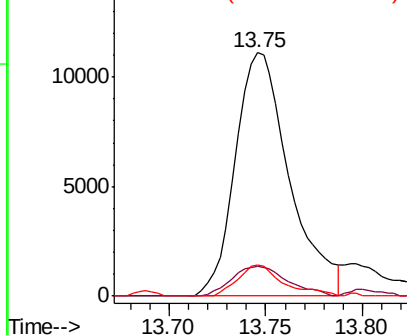
Tgt Ion:	128	Resp:	21615
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	10.7	7.8	11.8

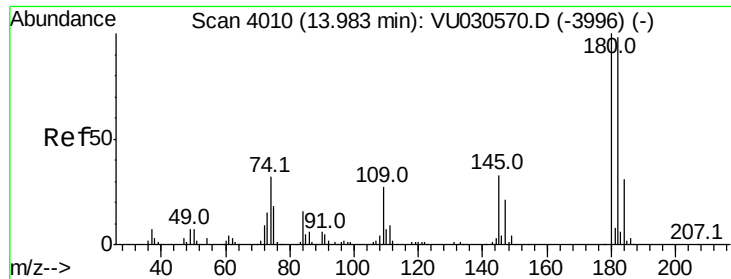
Abundance

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



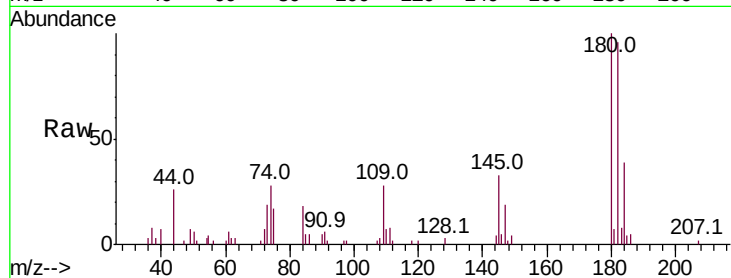


#90
 1,2,3-Trichlorobenzene
 Concen: 0.676 ug/l
 RT: 13.99 min Scan# 4012
 Delta R.T. 0.01 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.4	76.6	114.8
145	32.5	25.9	38.9

Manual Integrations
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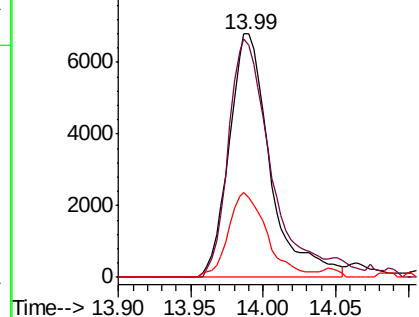
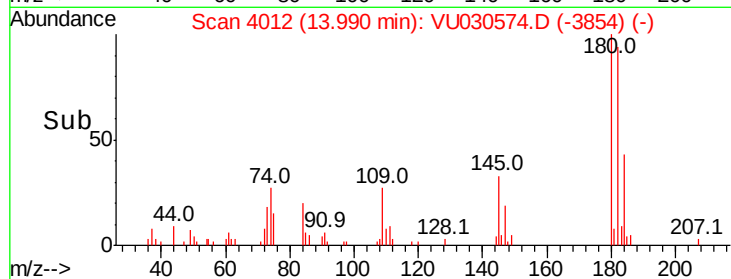


Abundance

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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