

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033119\
 Data File : VU030579.D
 Acq On : 30 Mar 2019 19:17
 Operator : JC/SP
 Sample : VU0331WBSD01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0331WBSD01

Manual Integrations
 APPROVED

Quant Time: Mar 31 01:44:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U033119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sun Mar 31 01:11:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	50583	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	19455	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	18107	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	

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Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	41988	1.973	ug/l 97
3) Chloromethane	1.33	50	53129	1.933	ug/l 100
4) Vinyl Chloride	1.40	62	48285	2.033	ug/l 98
5) Bromomethane	1.63	94	17463	1.705	ug/l 97
6) Chloroethane	1.70	64	24793	1.810	ug/l 96
7) Trichlorofluoromethane	1.88	101	52060	1.995	ug/l 98
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	25257	1.906	ug/l 96
9) 1,1-Dichloroethene	2.28	96	26510	1.988	ug/l 97
10) Iodomethane	2.41	142	6691	0.983	ug/l 100
11) Allyl Chloride	2.59	41	57245	1.970	ug/l 100
12) Acrylonitrile	2.94	53	15662	4.134	ug/l 96
13) Acetone	2.32	43	33806	9.525	ug/l 96
14) Carbon Disulfide	2.47	76	96741	1.985	ug/l 100
15) Methylene Chloride	2.69	84	33573	1.985	ug/l 97
16) trans-1,2-Dichloroethene	2.97	96	30265	2.008	ug/l 100
17) 1,1-Dichloroethane	3.44	63	63439	2.073	ug/l 99
18) 2-Butanone	4.29	43	49741	10.841	ug/l 100
19) Cyclohexane	4.98	56	48640m	1.884	ug/l
20) Methylcyclohexane	6.41	83	42091	1.859	ug/l 98
21) 2,2-Dichloropropane	4.22	77	39895	1.697	ug/l 99
22) cis-1,2-Dichloroethene	4.22	96	32518	2.010	ug/l 94
23) Diethyl Ether	2.10	59	25519	2.013	ug/l 97
24) tert-Butyl Alcohol	2.85	59	30908	23.553	ug/l # 86
25) Methyl tert-Butyl Ether	3.00	73	80720	2.090	ug/l 99
26) Bromochloromethane	4.55	128	12500	1.973	ug/l 98
27) Chloroform	4.67	83	59501	2.082	ug/l 98
28) 1,1,1-Trichloroethane	4.91	97	47254	2.003	ug/l 100
29) 1,1-Dichloropropene	5.13	75	41374	1.955	ug/l 99
30) Carbon Tetrachloride	5.13	117	39251	1.993	ug/l 98
31) Isopropyl Ether	3.58	45	101322	1.988	ug/l 99
32) Ethyl-t-butyl ether	4.08	59	77827	1.918	ug/l 96
33) Tert-Amyl methyl ether	5.58	73	64705	1.991	ug/l 100
34) Propionitrile	4.34	54	13069	10.477	ug/l # 89
35) Benzene	5.38	78	125605	2.007	ug/l 100
36) 1,2-Dichloroethane	5.41	62	39597	2.071	ug/l 98
37) Trichloroethene	6.18	130	30407	2.025	ug/l 97
38) 1,2-Dichloropropane	6.43	63	35374	2.041	ug/l 97
39) Methacrylonitrile	4.55	41	11339	2.015	ug/l # 91
40) Methyl acrylate	4.43	55	14799	1.923	ug/l # 77
41) Tetrahydrofuran	4.66	42	12638	3.959	ug/l 100
42) 1-Chlorobutane	5.06	56	62817	1.983	ug/l 99

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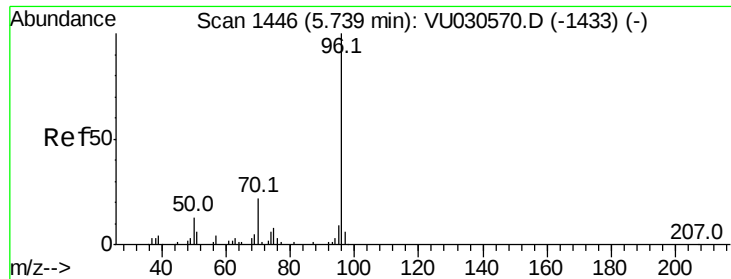
Instrument :
 MSVOA_U
 ClientSampleId :
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Manual Integrations
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Quant Time: Mar 31 01:44:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U033119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sun Mar 31 01:11:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	15373	1.956	ug/l	94
44) Bromodichloromethane	6.76	83	42303	2.034	ug/l	96
45) 4-Methyl-2-Pentanone	7.47	43	112411	10.400	ug/l	96
46) t-1,4-Dichloro-2-butene	10.52	75	11947m	3.444	ug/l	
47) Methyl methacrylate	6.63	69	28348	4.252	ug/l	96
48) Ethyl methacrylate	8.02	69	25936	1.984	ug/l	99
49) Toluene	7.63	92	67436	1.966	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	34850	1.999	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	42077	1.941	ug/l	98
52) 1,1,2-Trichloroethane	8.07	97	22169	2.070	ug/l	98
53) 1,3-Dichloropropane	8.24	76	39422	2.012	ug/l	99
54) 2-Hexanone	8.37	43	71833	9.841	ug/l	97
55) Dibromochloromethane	8.48	129	24650	1.985	ug/l	96
56) 1,2-Dibromoethane	8.59	107	19977	2.010	ug/l	93
58) Tetrachloroethene	8.22	164	27504	2.048	ug/l	97
59) Chlorobenzene	9.12	112	76719	2.070	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.21	131	27655	2.014	ug/l	99
61) Pentachloroethane	11.10	117	20301	1.917	ug/l	100
62) Hexachloroethane	12.14	117	17024	1.847	ug/l	95
63) Ethyl Benzene	9.25	91	122667	1.865	ug/l	99
64) m/p-Xylenes	9.37	106	90240	3.750	ug/l	95
65) o-Xylene	9.77	106	45459	1.965	ug/l	96
66) Styrene	9.79	104	77850	1.997	ug/l	98
67) Bromoform	9.96	173	14648	2.153	ug/l	97
69) Isopropylbenzene	10.16	105	121761	1.934	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	30719	2.048	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	18379	1.922	ug/l #	98
72) Bromobenzene	10.45	156	30250	2.003	ug/l	98
73) n-propylbenzene	10.58	120	30706	1.903	ug/l	99
74) 2-Chlorotoluene	10.66	126	29073	1.942	ug/l	97
75) 1,3,5-Trimethylbenzene	10.77	105	101670	1.921	ug/l	99
76) 4-Chlorotoluene	10.77	126	29749	1.955	ug/l	97
77) tert-Butylbenzene	11.10	119	95847	1.912	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	99120	1.889	ug/l	99
79) sec-Butylbenzene	11.32	105	127026	1.865	ug/l	99
80) Nitrobenzene	12.89	77	1266	6.266	ug/l #	98
81) p-Isopropyltoluene	11.47	119	97010	1.854	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	59937	1.986	ug/l	98
83) 1,4-Dichlorobenzene	11.50	146	60260	1.992	ug/l	98
84) n-Butylbenzene	11.89	91	91759	1.813	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	56843	2.001	ug/l	96
86) 1,2-Dibromo-3-Chloropropan	12.66	75	4607	2.095	ug/l	96
87) 1,2,4-Trichlorobenzene	13.50	180	29902	1.844	ug/l	96
88) Hexachlorobutadiene	13.69	225	19512	1.909	ug/l	97
89) Naphthalene	13.75	128	47921	1.693	ug/l	96
90) 1,2,3-Trichlorobenzene	13.99	180	29658	1.927	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU030579.D

Acq: 30 Mar 2019 19:17

Instrument :

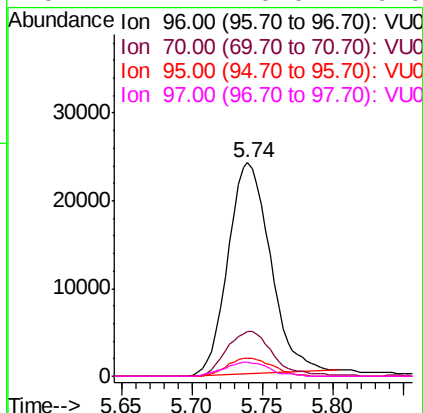
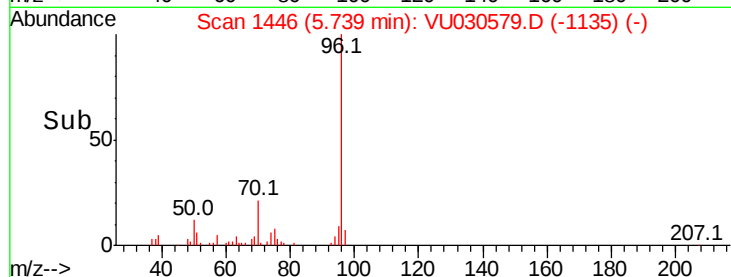
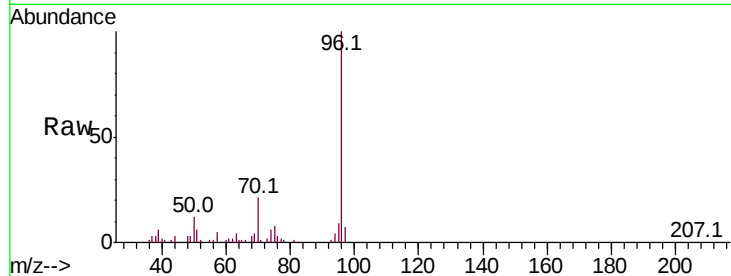
MSVOA_U

ClientSampleId :

VU0331WBSD01

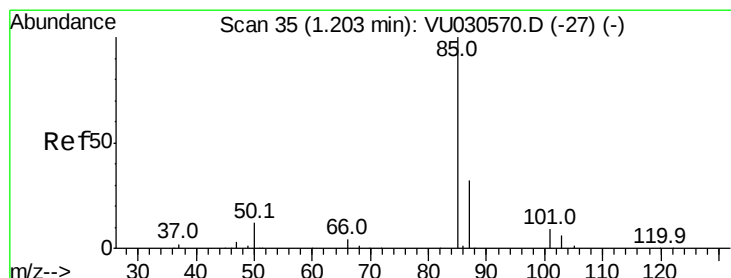
Tot Ion	96	Resp	50583
Ion	Ratio	Lower	Upper
96	100		
70	23.3	15.6	23.4
95	9.2	7.3	10.9
97	7.1	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 1.973 ug/l

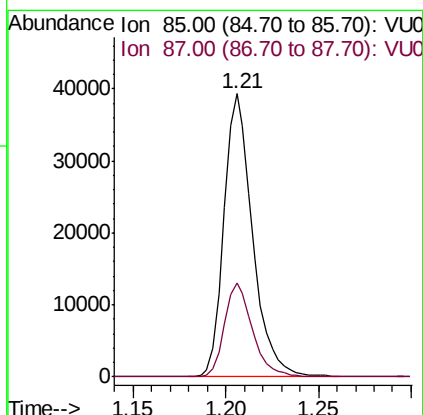
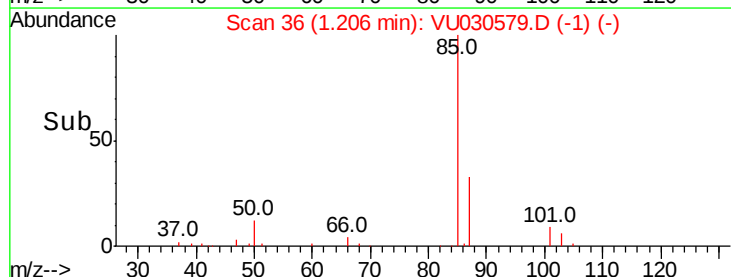
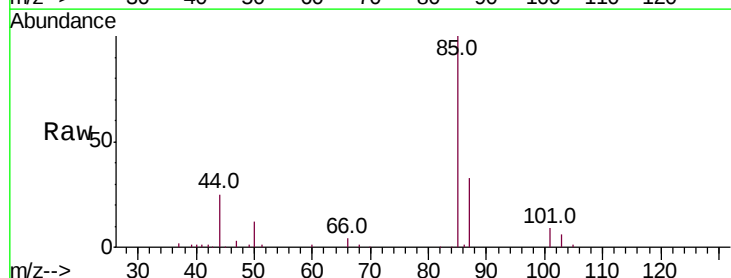
RT: 1.21 min Scan# 36

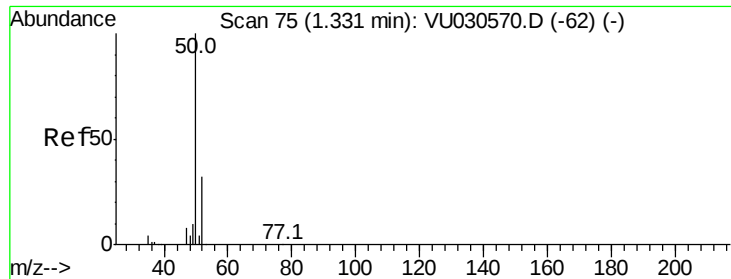
Delta R.T. 0.00 min

Lab File: VU030579.D

Acq: 30 Mar 2019 19:17

Tgt Ion	85	Resp	41988
Ion	Ratio	Lower	Upper
85	100		
87	33.3	15.9	47.6





#3

Chloromethane

Concen: 1.933 ug/l

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU030579.D

Acq: 30 Mar 2019 19:17

Instrument :

MSVOA_U

ClientSampleId :

VU0331WBSD01

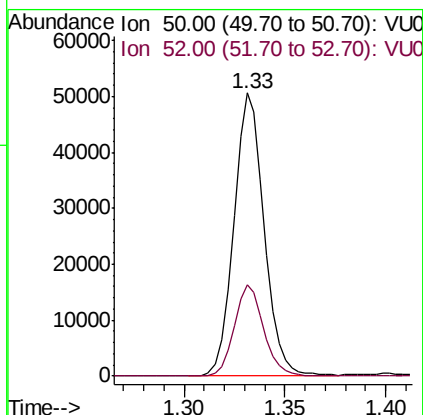
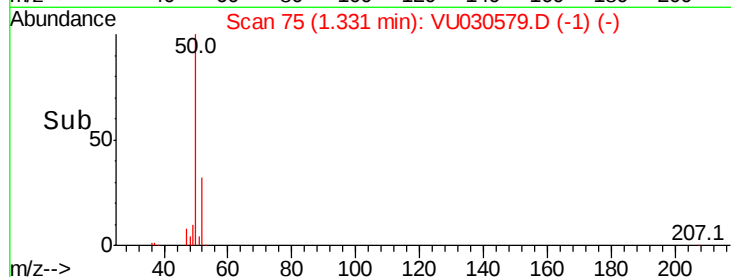
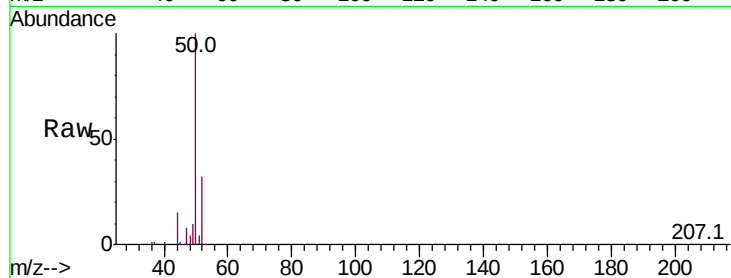
Tot Ion: 50 Resp: 53129

Ion Ratio Lower Upper

50 100

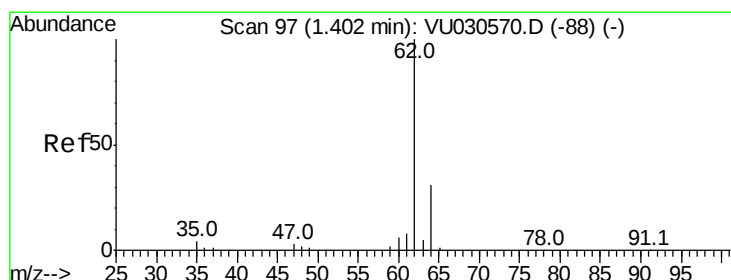
52 32.4 25.8 38.8

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#4

Vinyl Chloride

Concen: 2.033 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030579.D

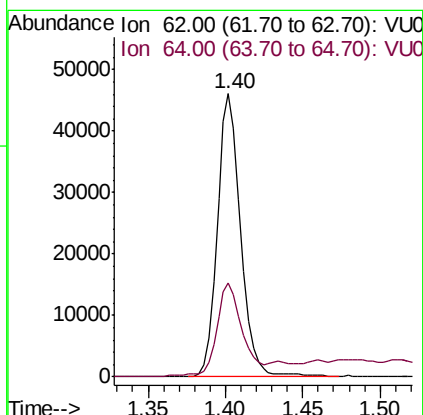
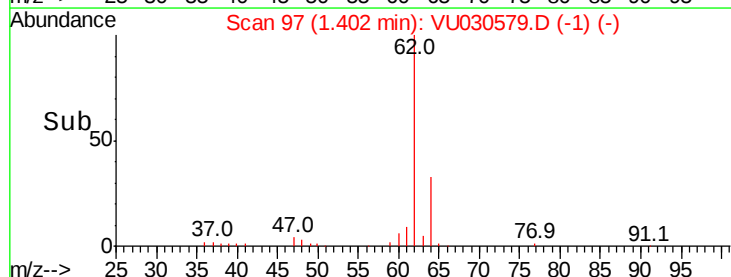
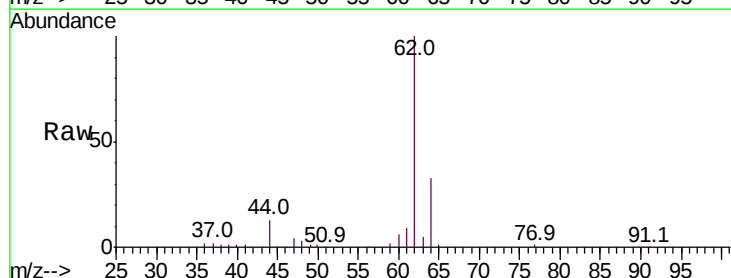
Acq: 30 Mar 2019 19:17

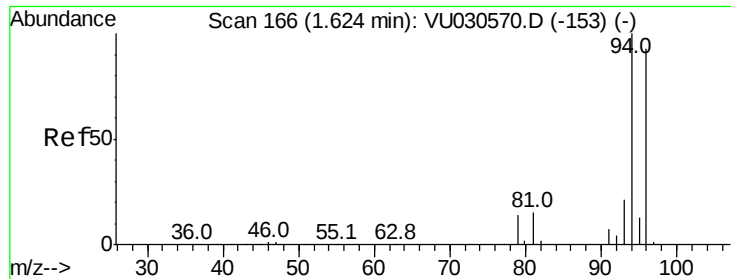
Tgt Ion: 62 Resp: 48285

Ion Ratio Lower Upper

62 100

64 32.2 25.1 37.7





#5

Bromomethane

Concen: 1.705 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU030579.D

Acq: 30 Mar 2019 19:17

Instrument :

MSVOA_U

ClientSampleId :

VU0331WBSD01

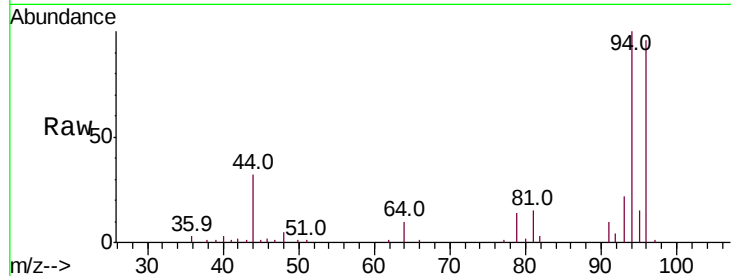
Tot Ion: 94 Resp: 17463

Ion Ratio Lower Upper

94 100

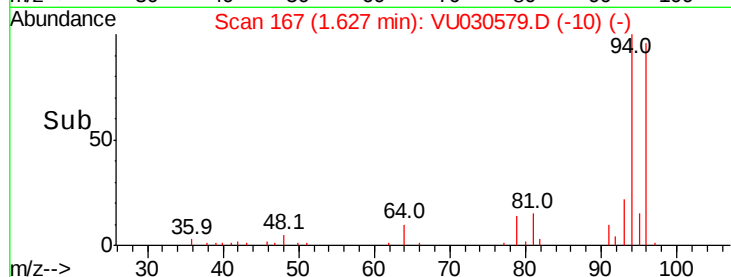
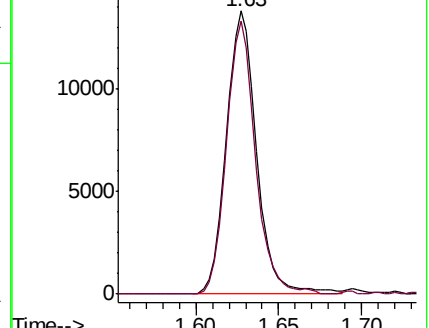
96 96.4 74.8 112.2

Manual Integrations
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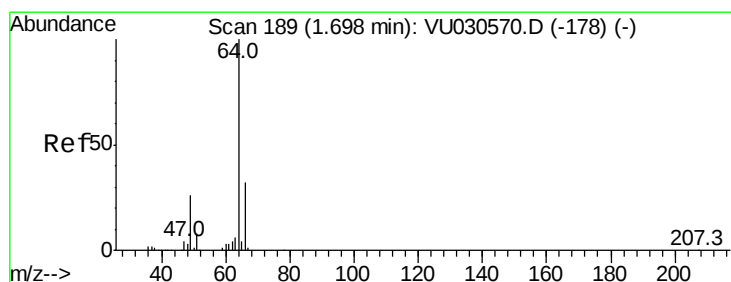
Abundance Ion 94.00 (93.70 to 94.70): VU030579.D (-167) (-)

Ion 96.00 (95.70 to 96.70): VU030579.D (-167) (-)



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#6

Chloroethane

Concen: 1.810 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU030579.D

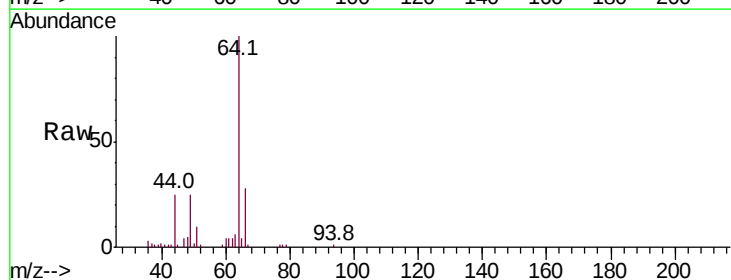
Acq: 30 Mar 2019 19:17

Tgt Ion: 64 Resp: 24793

Ion Ratio Lower Upper

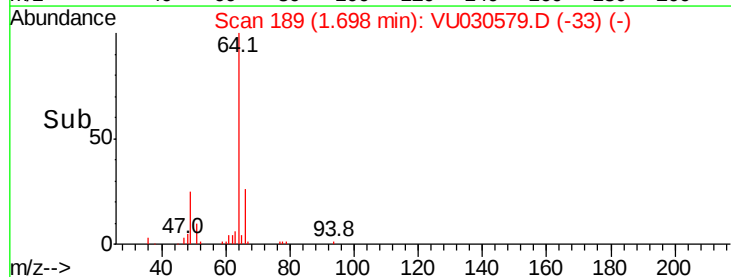
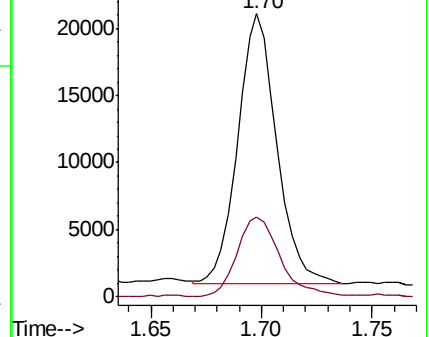
64 100

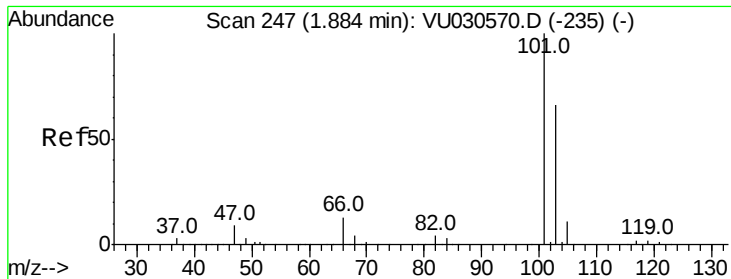
66 29.7 25.5 38.3



Abundance Ion 64.00 (63.70 to 64.70): VU030579.D (-189) (-)

Ion 66.00 (65.70 to 66.70): VU030579.D (-189) (-)





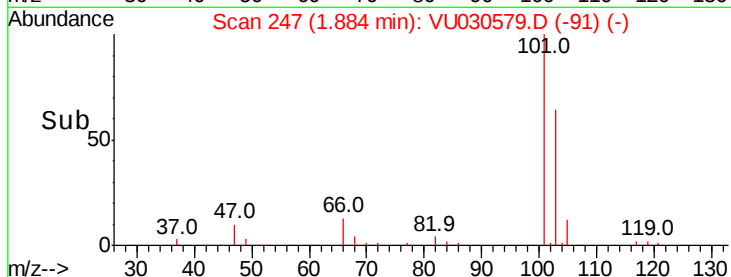
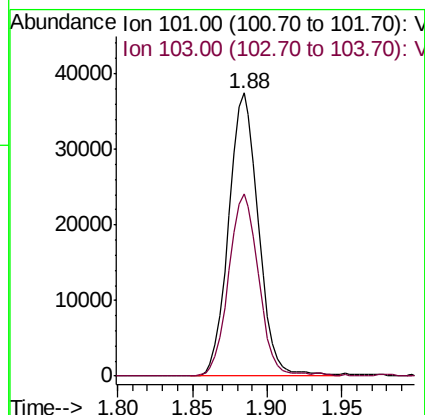
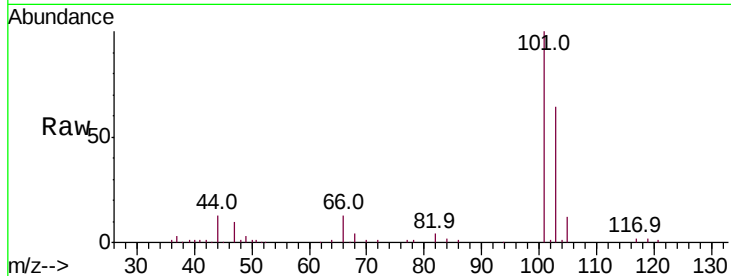
#7

Trichlorofluoromethane
 Concen: 1.995 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU030579.D
 Acq: 30 Mar 2019 19:17

Instrument :
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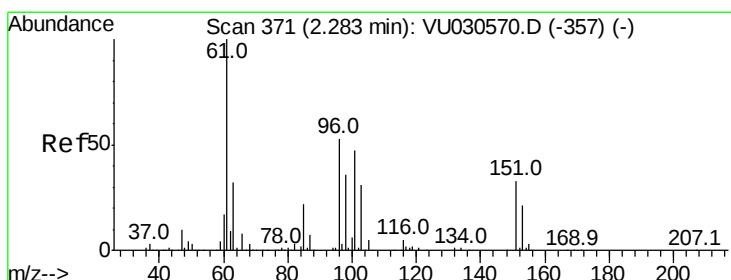
Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.6	79.0

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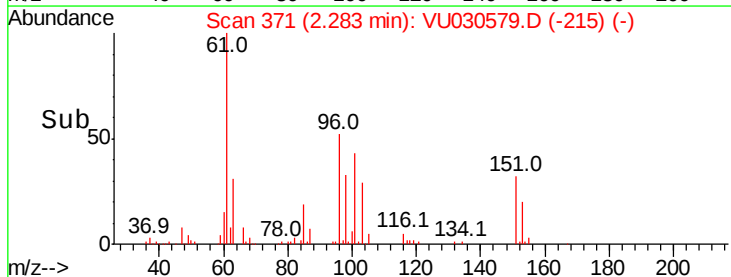
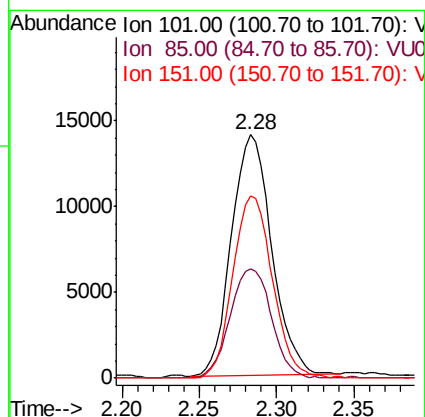
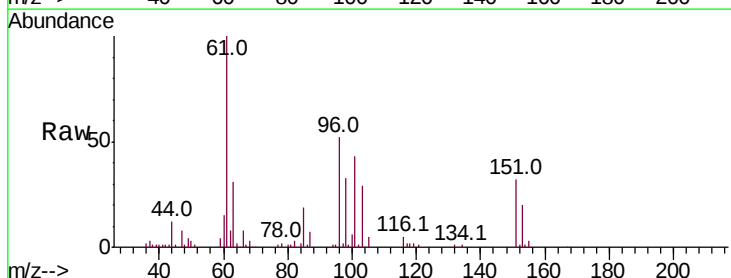
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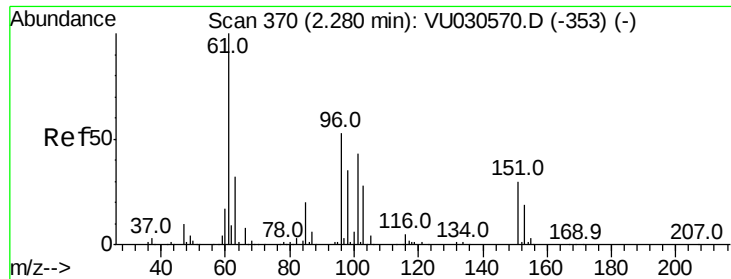


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.906 ug/l
 RT: 2.28 min Scan# 371
 Delta R.T. 0.00 min
 Lab File: VU030579.D
 Acq: 30 Mar 2019 19:17

Tgt Ion	Ratio	Lower	Upper
101	100		
85	46.6	36.5	54.7
151	74.9	56.5	84.7





#9

1,1-Dichloroethene

Concen: 1.988 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030579.D

Acq: 30 Mar 2019 19:17

Instrument :

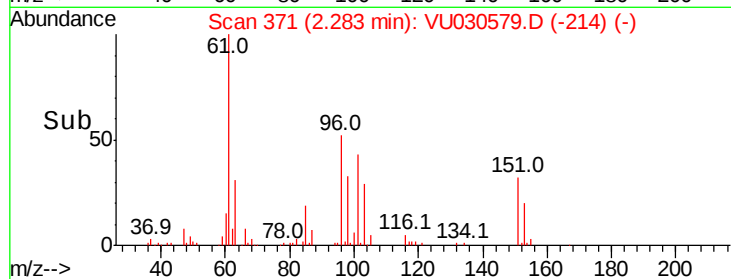
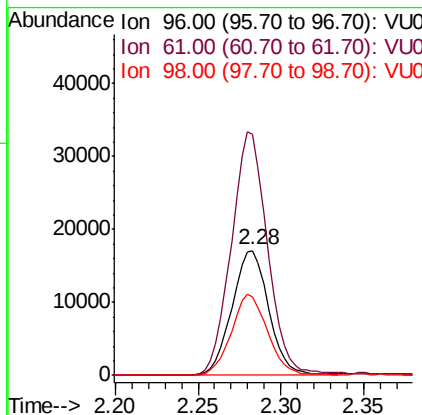
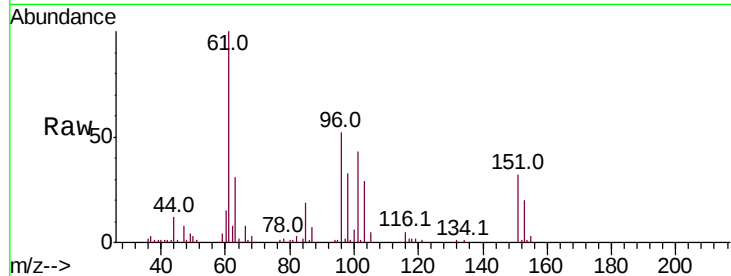
MSVOA_U

ClientSampleId :

VU0331WBSD01

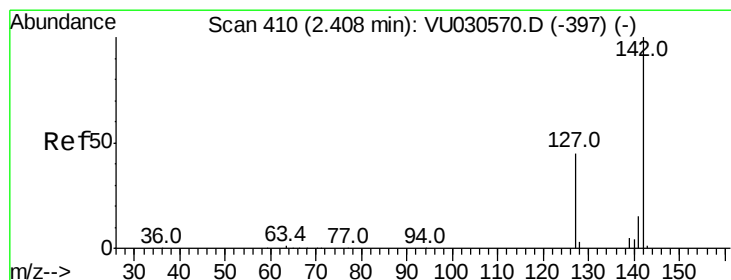
Tot Ion:	96	Resp:	26510
Ion	Ratio	Lower	Upper
96	100		
61	192.7	0.0	567.0
98	62.7	0.0	132.2

Manual Integrations
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#10

Iodomethane

Concen: 0.983 ug/l

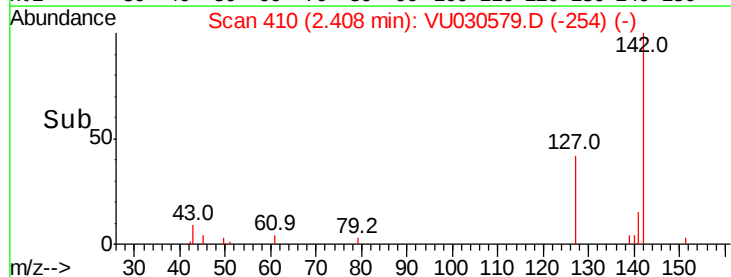
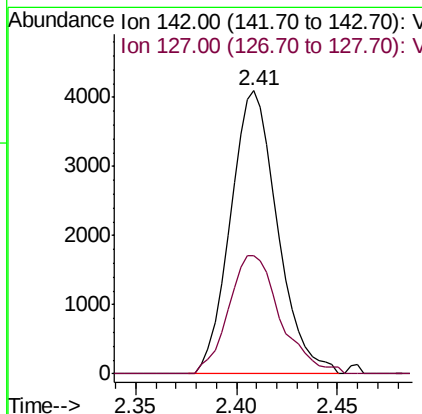
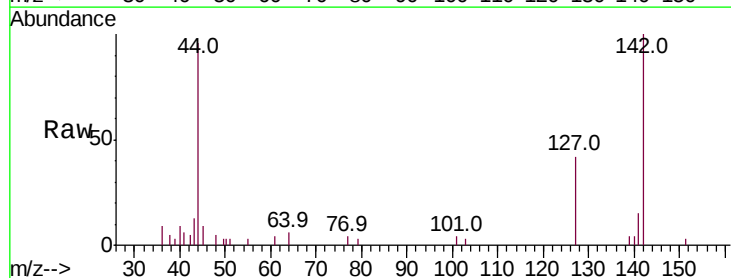
RT: 2.41 min Scan# 410

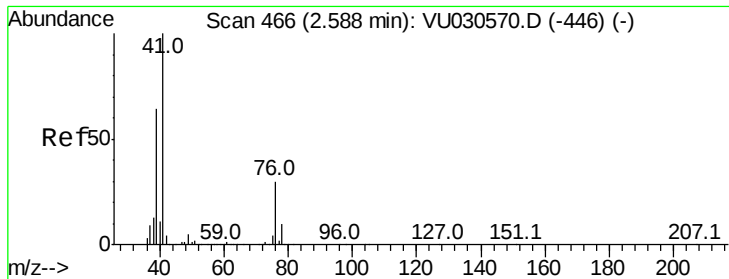
Delta R.T. 0.00 min

Lab File: VU030579.D

Acq: 30 Mar 2019 19:17

Tgt Ion:	142	Resp:	6691
Ion	Ratio	Lower	Upper
142	100		
127	45.8	36.8	55.2



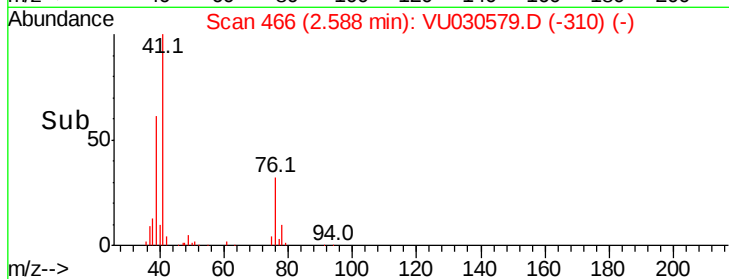
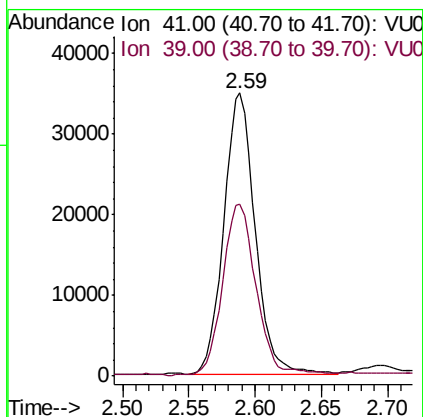
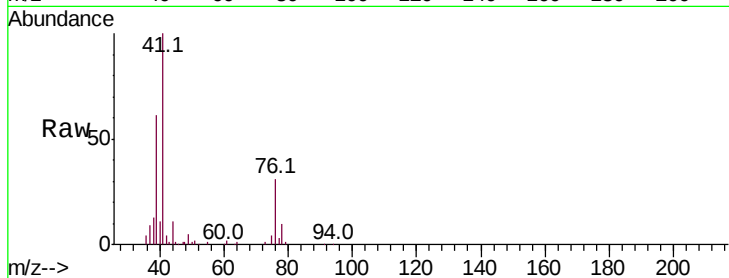


#11
Allvl Chloride
Concen: 1.970 ug/l
RT: 2.59 min Scan# 466
Delta R.T. 0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Instrument :
MSVOA_U
ClientSampleId :
VU0331WBSD01

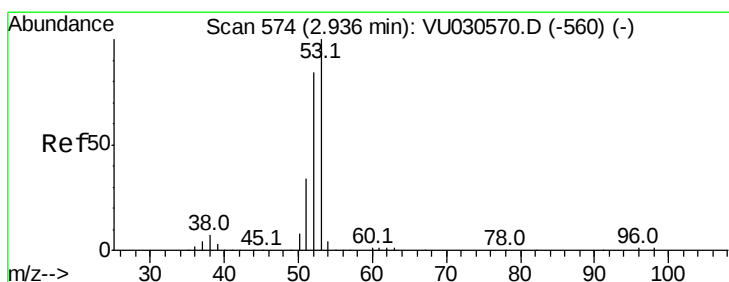
Tot Ion: 41 Resp: 57245
Ion Ratio Lower Upper
41 100
39 65.0 51.8 77.6

Manual Integrations
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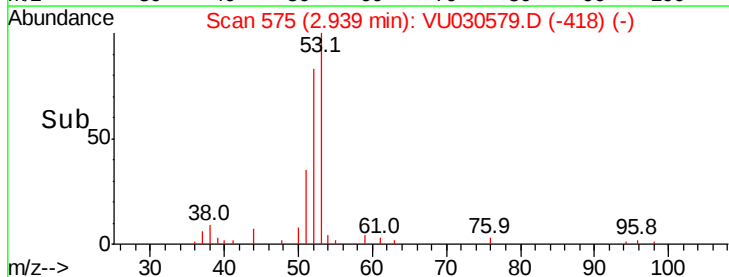
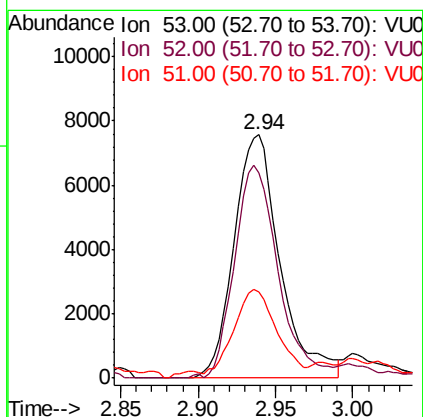
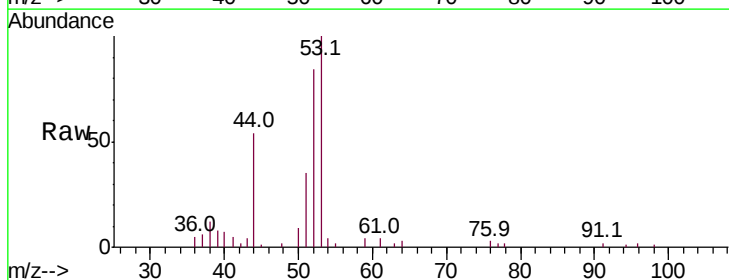
MM Dadoda

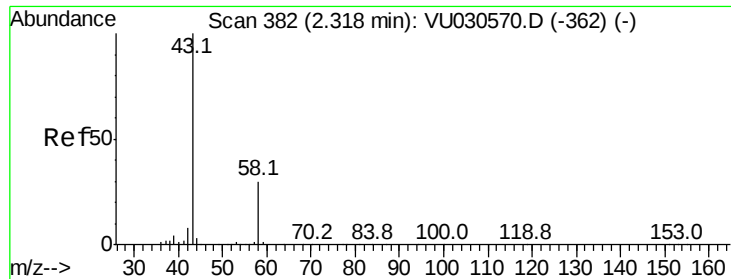
4/5/2019 2:39:03 PM



#12
Acrylonitrile
Concen: 4.134 ug/l
RT: 2.94 min Scan# 575
Delta R.T. 0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Tgt Ion: 53 Resp: 15662
Ion Ratio Lower Upper
53 100
52 83.0 69.1 103.7
51 31.3 27.9 41.9





#13

Acetone

Concen: 9.525 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030579.D

Acq: 30 Mar 2019 19:17

Instrument :

MSVOA_U

ClientSampleId :

VU0331WBSD01

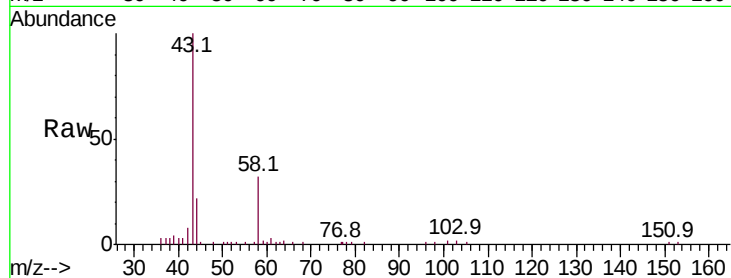
Tot Ion: 43 Resp: 33806

Ion Ratio Lower Upper

43 100

58 32.4 24.2 36.4

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

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

2.32

20000

15000

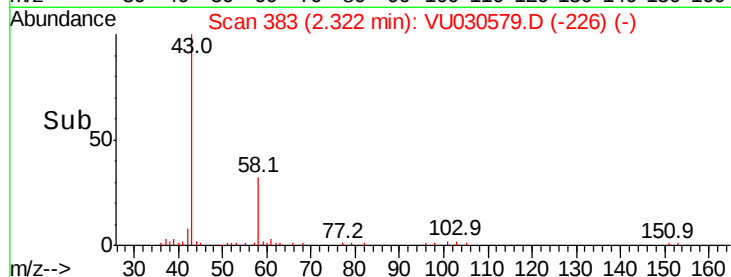
10000

5000

0

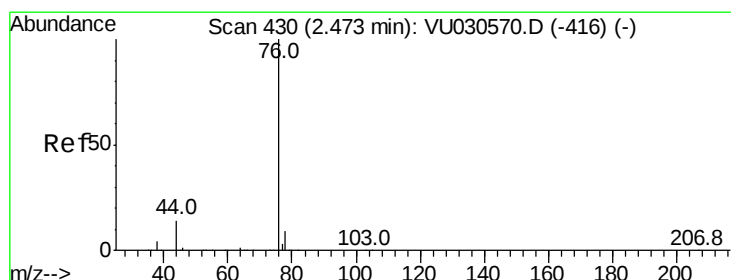
Time-->

2.25 2.30 2.35 2.40



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#14

Carbon Disulfide

Concen: 1.985 ug/l

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU030579.D

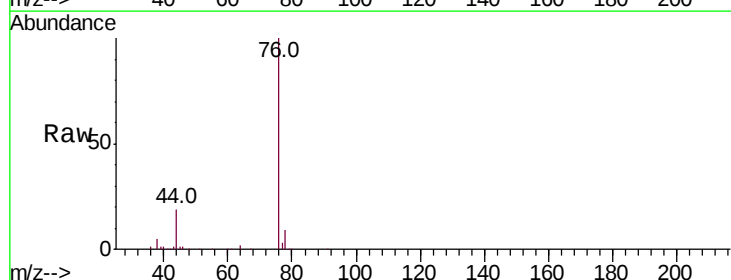
Acq: 30 Mar 2019 19:17

Tgt Ion: 76 Resp: 96741

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



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

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

2.47

60000

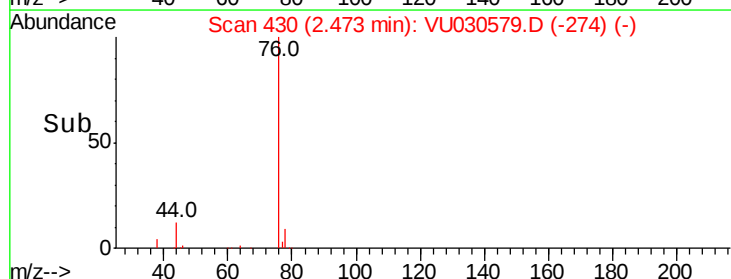
40000

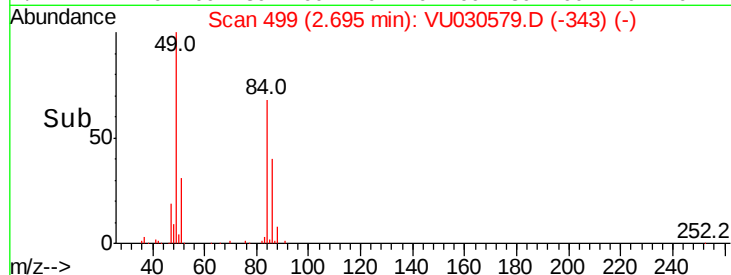
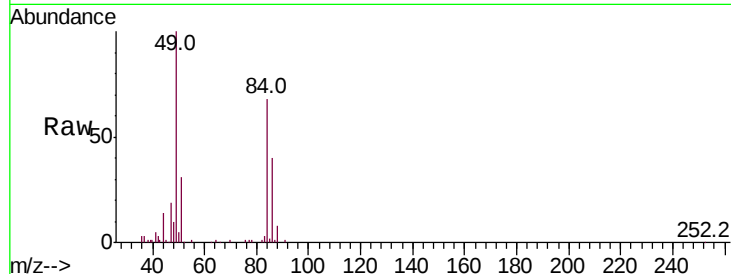
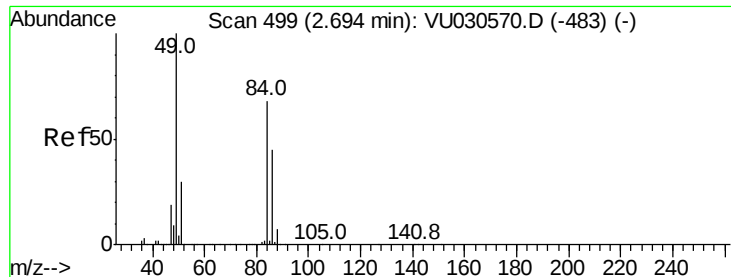
20000

0

Time-->

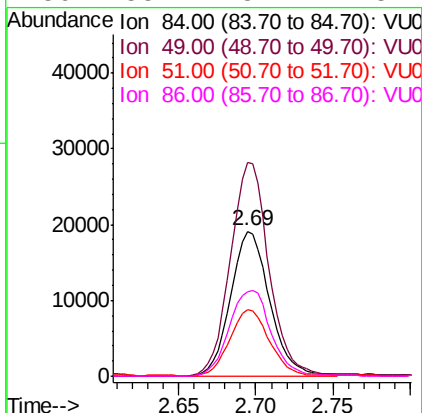
2.40 2.45 2.50 2.55





#15
Methvlene Chloride
Concen: 1.985 ug/l
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Tot Ion:	84	Resp:	33573
Ion	Ratio	Lower	Upper
84	100		
49	147.3	117.0	175.6
51	46.1	0.0	88.6
86	58.4	52.2	78.2

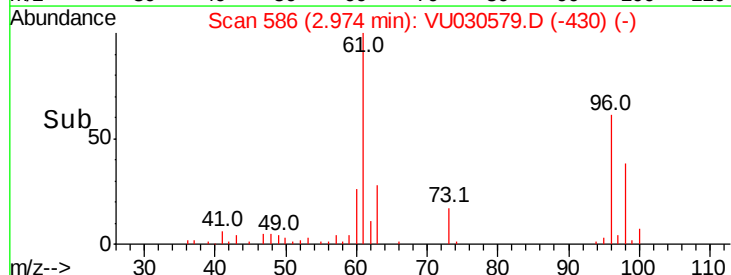
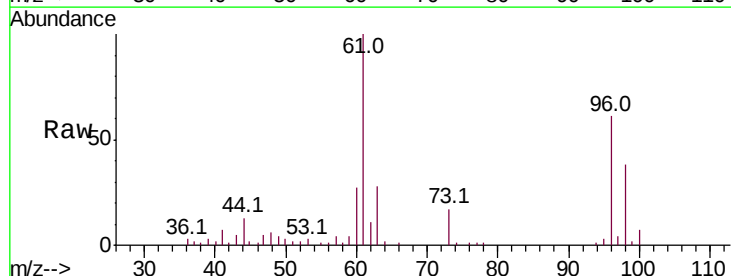
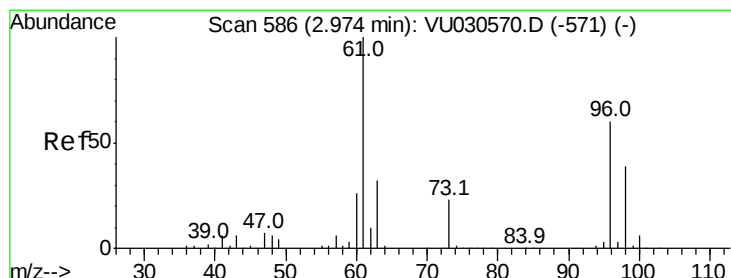


Instrument :
MSVOA_U
ClientSampleId :
VU0331WBSD01

Manual Integrations
APPROVED

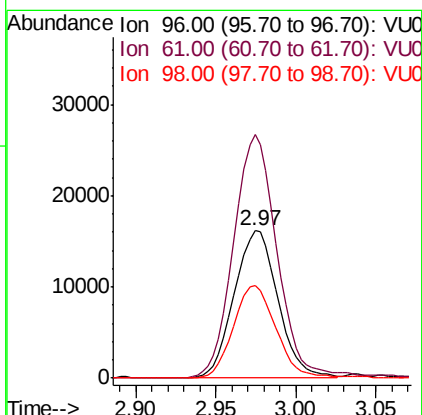
MMDadoda

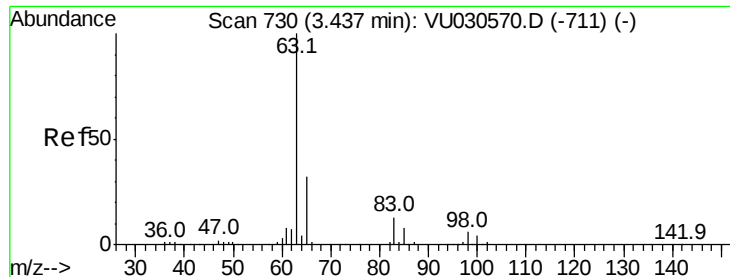
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#16
trans-1,2-Dichloroethene
Concen: 2.008 ug/l
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Tgt Ion:	96	Resp:	30265
Ion	Ratio	Lower	Upper
96	100		
61	165.1	132.3	198.5
98	63.1	51.3	76.9



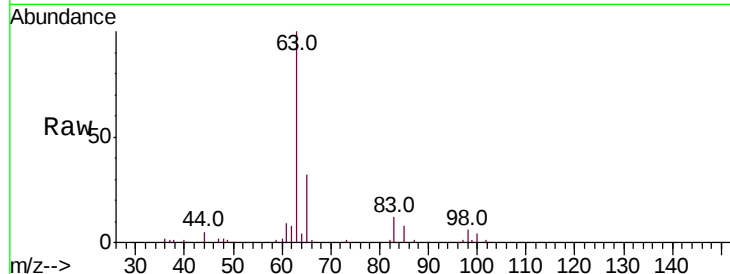


#17
 1,1-Dichloroethane
 Concen: 2.073 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU030579.D
 Acq: 30 Mar 2019 19:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0331WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
98	5.5	3.0	9.0
100	3.7	1.8	5.5

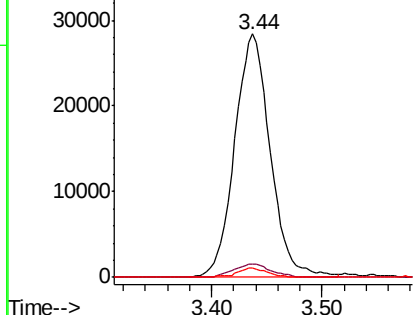
Manual Integrations
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Abundance Ion 63.00 (62.70 to 63.70): VU030579.D (-711) (-)

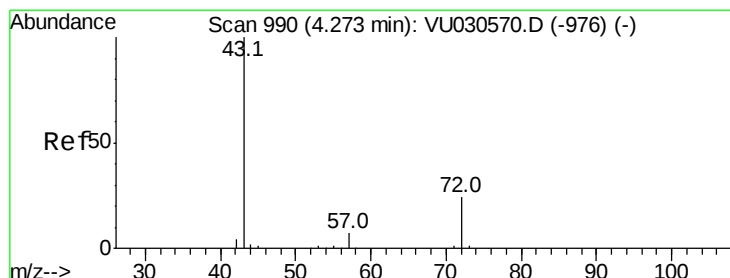
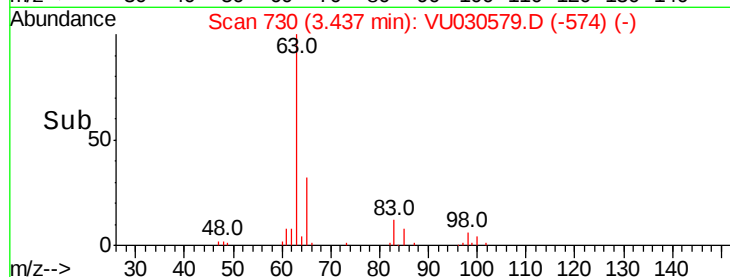
Ion 98.00 (97.70 to 98.70): VU030579.D (-711) (-)

Ion 100.00 (99.70 to 100.70): VU030579.D (-711) (-)



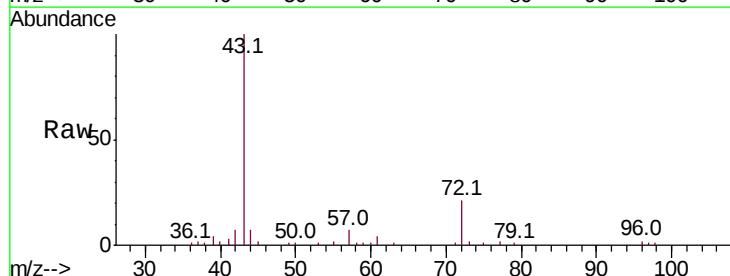
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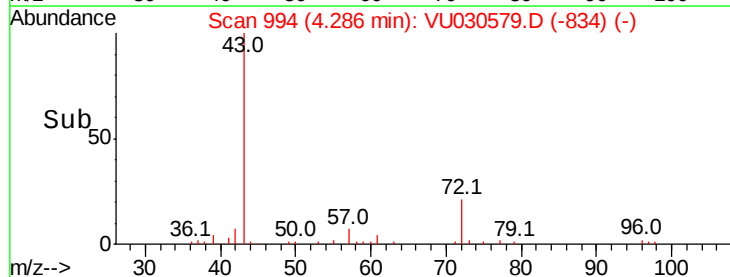
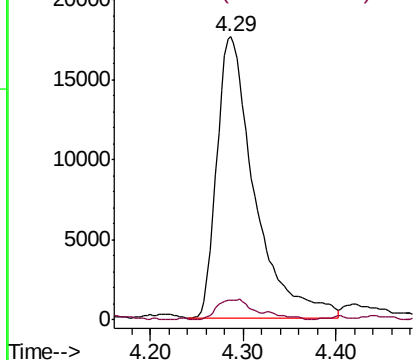
#18
 2-Butanone
 Concen: 10.841 ug/l
 RT: 4.29 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VU030579.D
 Acq: 30 Mar 2019 19:17

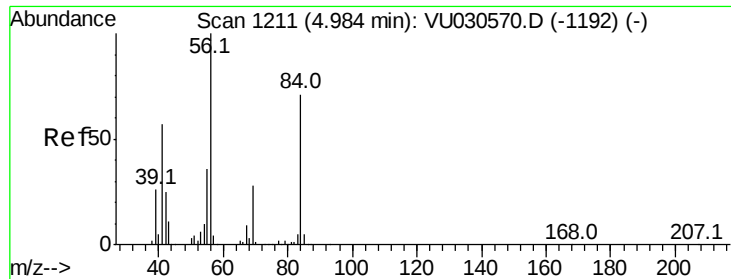
Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.1	0.0	14.4



Abundance Ion 43.00 (42.70 to 43.70): VU030579.D (-834) (-)

Ion 57.00 (56.70 to 57.70): VU030579.D (-834) (-)



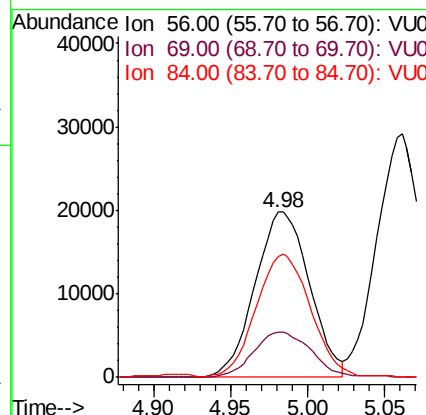
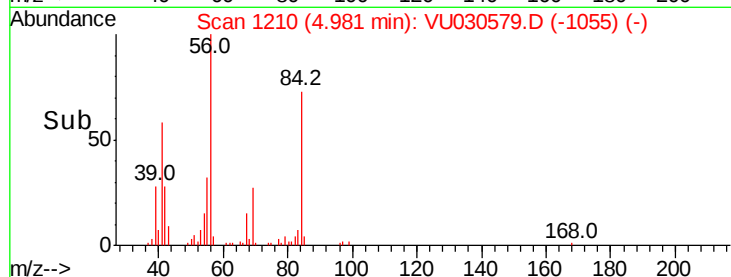
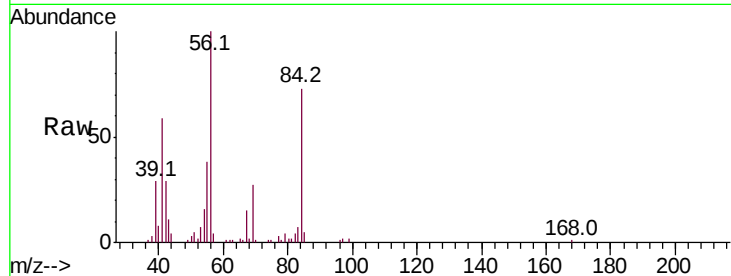


#19
Cyclohexane
Concen: 1.884 ug/l m
RT: 4.98 min Scan# 1210
Delta R.T. -0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Instrument :
MSVOA_U
ClientSampleId :
VU0331WBSD01

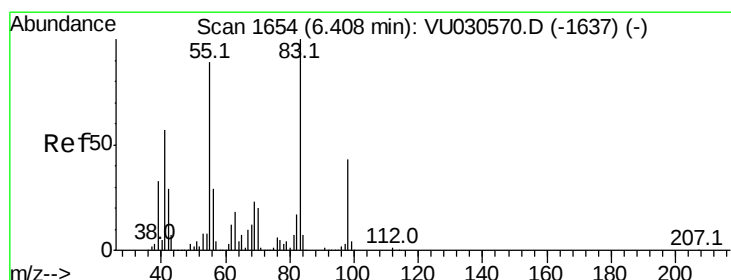
Tot Ion	56	Resp	48640
Ion	Ratio	Lower	Upper
56	100		
69	28.0	22.3	33.5
84	74.3	57.6	86.4

Manual Integrations
APPROVED



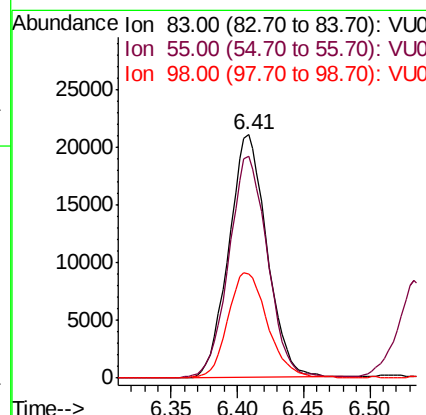
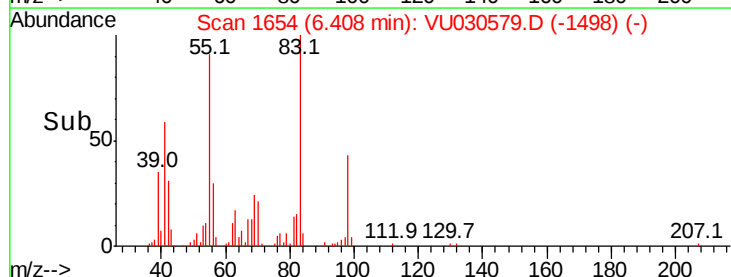
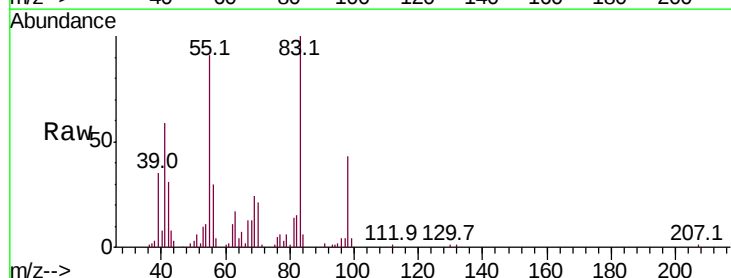
MMDadoda

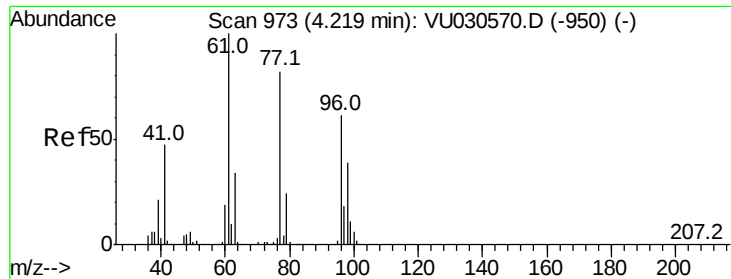
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#20
Methylcyclohexane
Concen: 1.859 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Tgt Ion	83	Resp	42091
Ion	Ratio	Lower	Upper
83	100		
55	92.0	72.0	108.0
98	44.2	35.0	52.4





#21

2,2-Dichloropropane

Concen: 1.697 ug/l

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU030579.D

Acq: 30 Mar 2019 19:17

Instrument :

MSVOA_U

ClientSampleId :

VU0331WBSD01

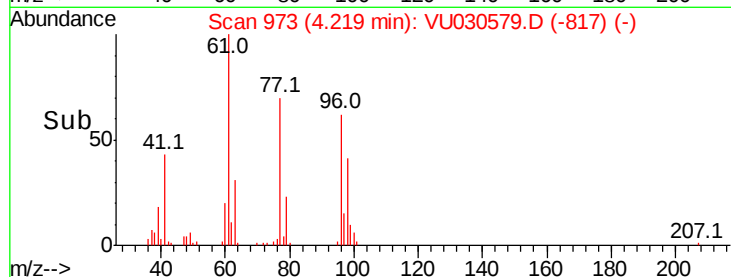
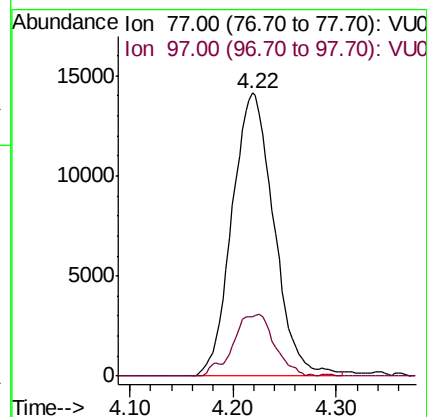
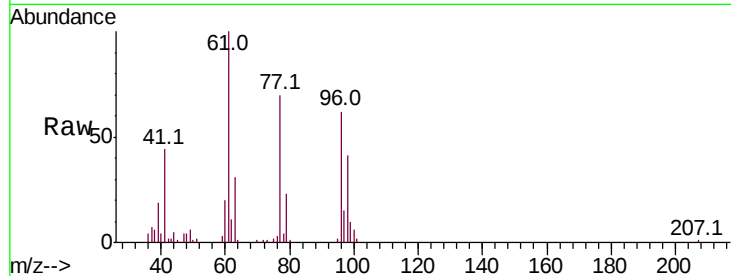
Tot Ion: 77 Resp: 39895

Ion Ratio Lower Upper

77 100

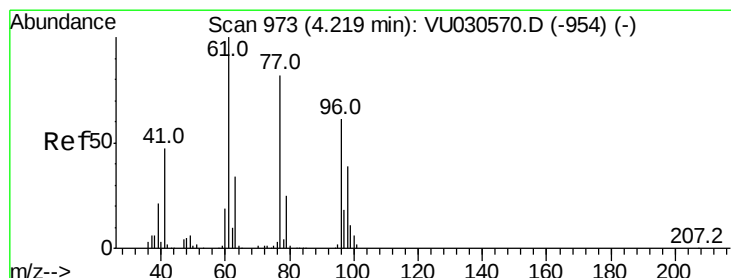
97 21.6 17.6 26.4

Manual Integrations
APPROVED



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#22

cis-1,2-Dichloroethene

Concen: 2.010 ug/l

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU030579.D

Acq: 30 Mar 2019 19:17

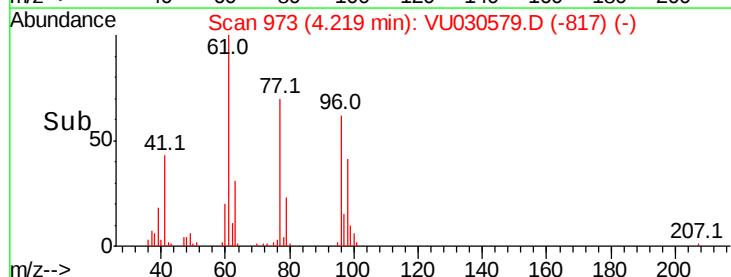
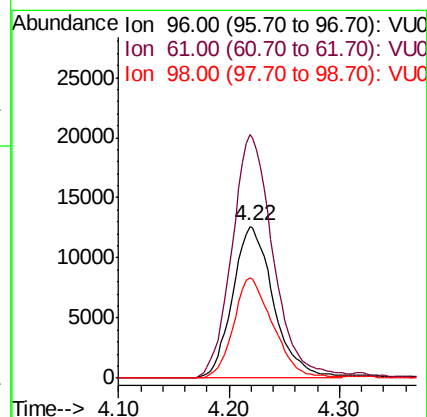
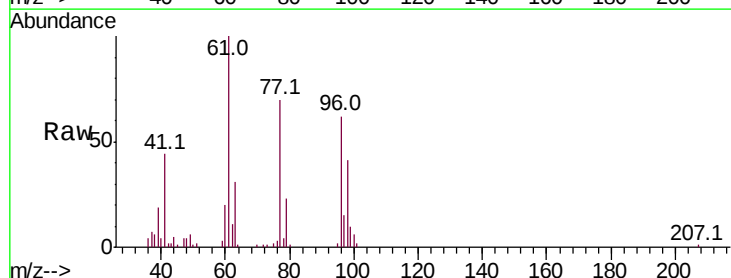
Tgt Ion: 96 Resp: 32518

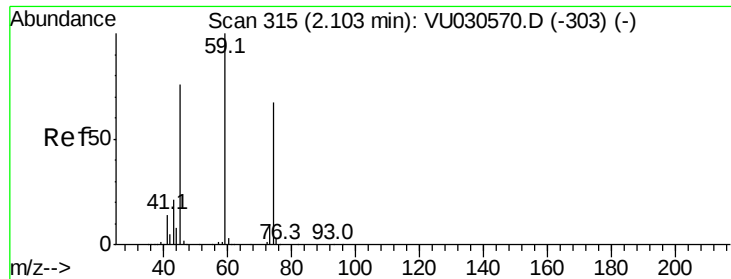
Ion Ratio Lower Upper

96 100

61 161.3 0.0 427.0

98 63.3 32.5 97.4



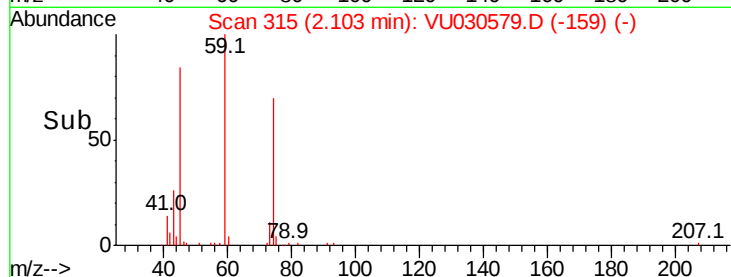
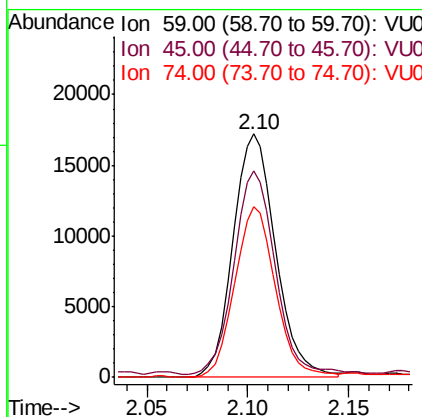
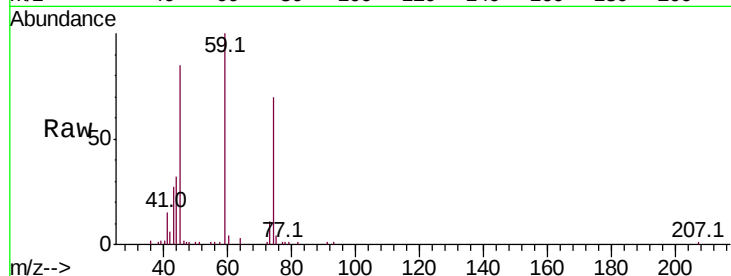


#23
Diethyl Ether
Concen: 2.013 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Instrument :
MSVOA_U
ClientSampleId :
VU0331WBSD01

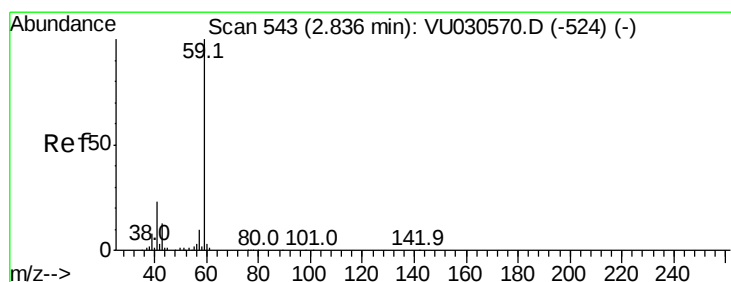
Tot Ion	Ratio	Lower	Upper
59	100		
45	81.2	61.6	92.4
74	67.1	53.2	79.8

Manual Integrations
APPROVED



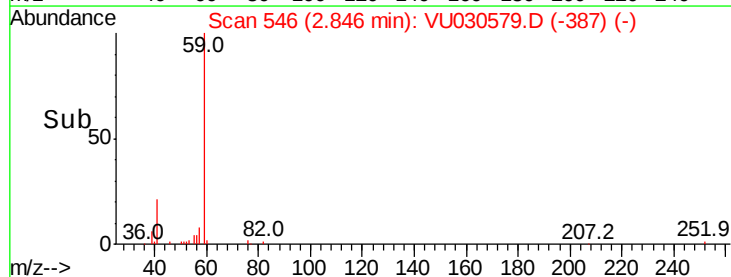
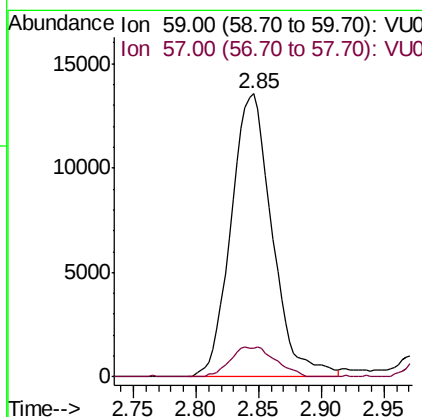
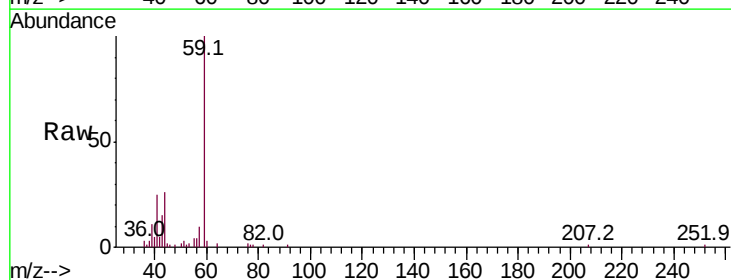
MMDadoda

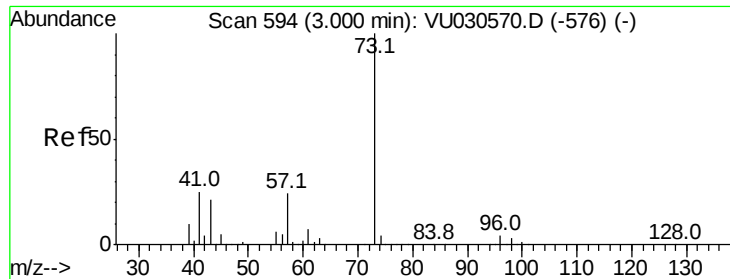
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#24
tert-Butyl Alcohol
Concen: 23.553 ug/l
RT: 2.85 min Scan# 546
Delta R.T. 0.01 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Tgt Ion	Ratio	Lower	Upper
59	100		
57	5.3	8.4	12.6#





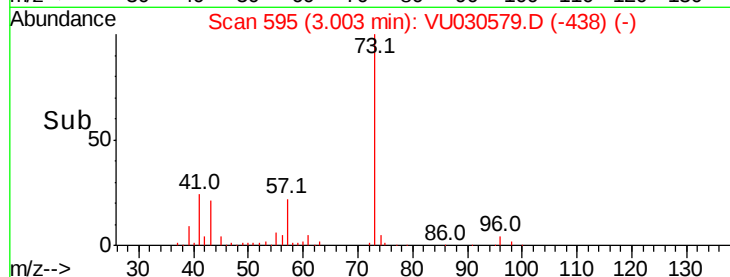
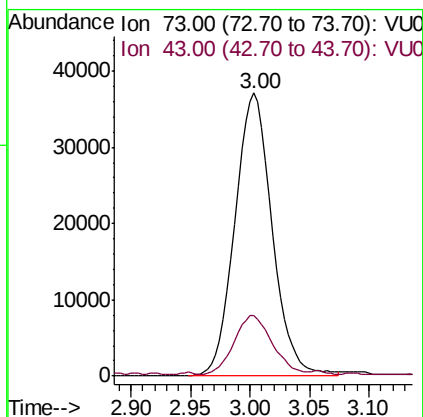
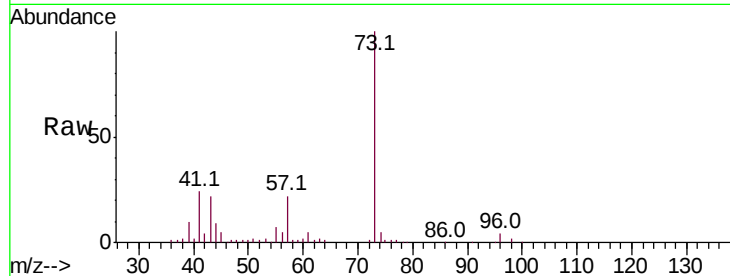
#25

Methyl tert-Butyl Ether
Concen: 2.090 ug/l
RT: 3.00 min Scan# 595
Delta R.T. 0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Instrument :
MSVOA_U
ClientSampleId :
VU0331WBSD01

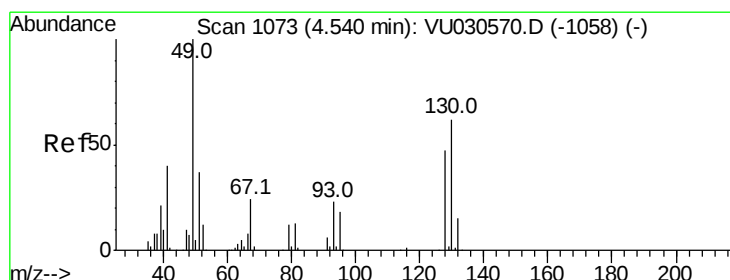
Tot Ion	Ratio	Lower	Upper
73	100		
43	21.0	16.6	24.8

Manual Integrations
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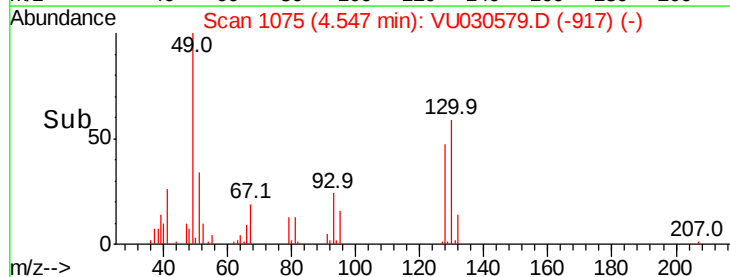
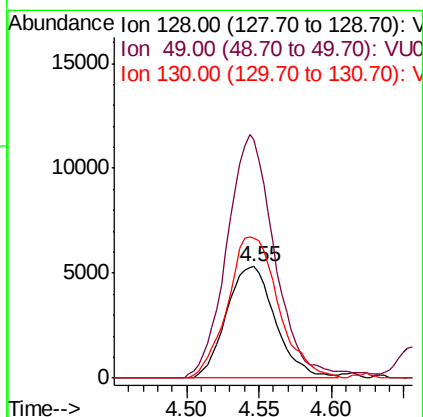
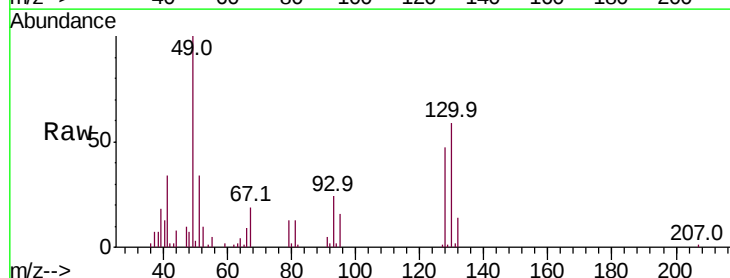
4/5/2019 2:39:03 PM

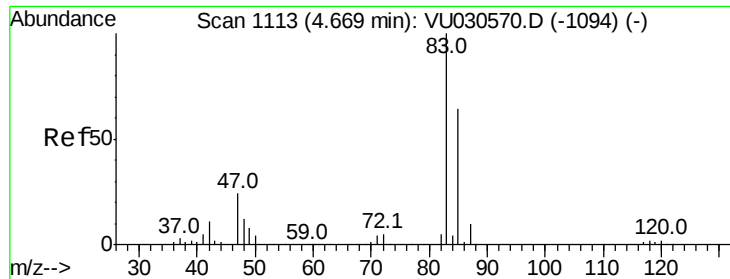


#26

Bromochloromethane
Concen: 1.973 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. 0.01 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Tgt Ion	Ratio	Lower	Upper
128	100		
49	213.0	0.0	418.2
130	131.4	103.4	155.0



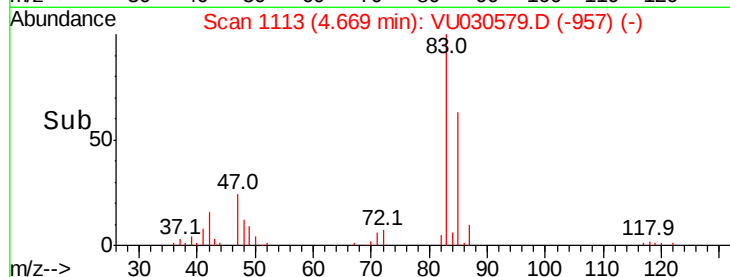
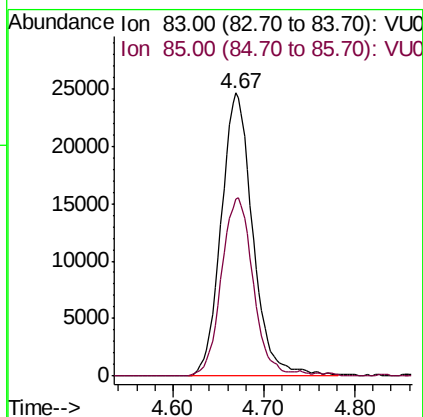
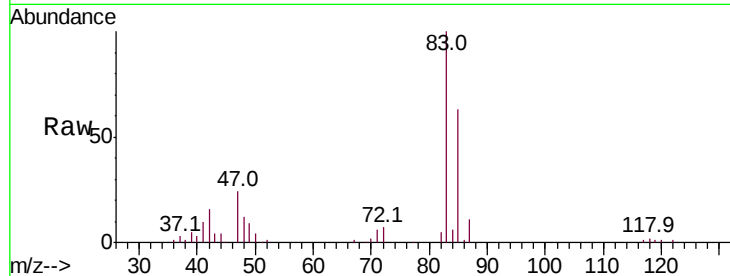


#27
Chloroform
Concen: 2.082 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Instrument :
MSVOA_U
ClientSampleId :
VU0331WBSD01

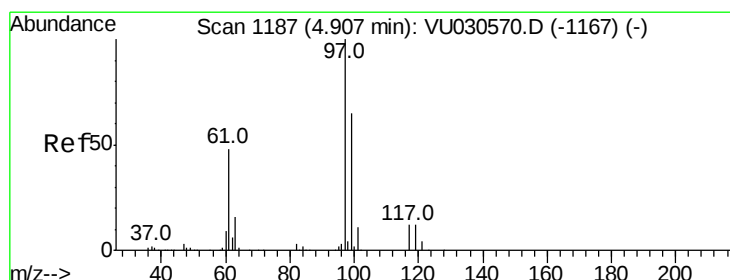
Tot Ion	83	Resp	59501
Ion Ratio	100	Lower	Upper
85	62.5	0.0	128.4

Manual Integrations
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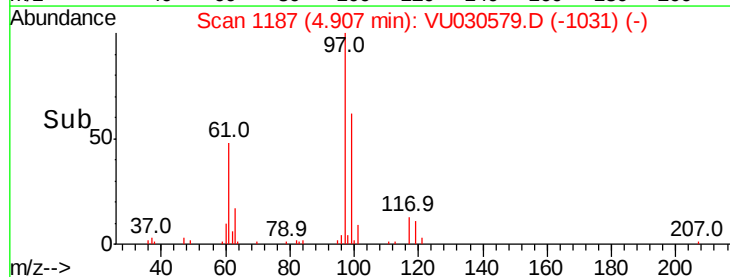
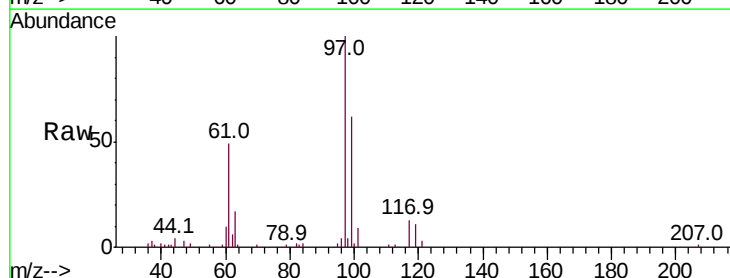
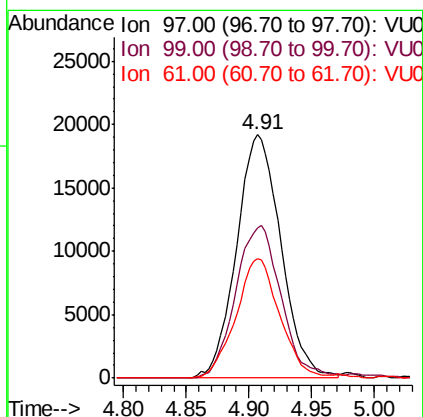
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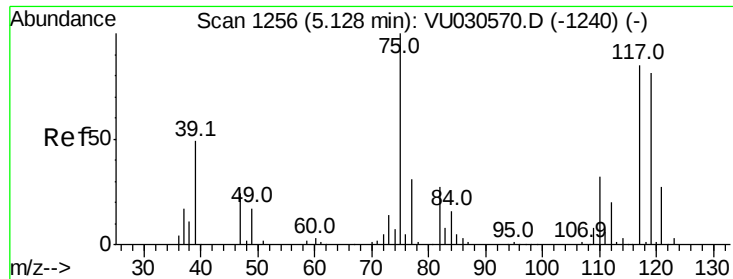
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#28
1,1,1-Trichloroethane
Concen: 2.003 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Tgt Ion	97	Resp	47254
Ion Ratio	100	Lower	Upper
99	64.1	32.0	96.0
61	48.2	24.0	72.0



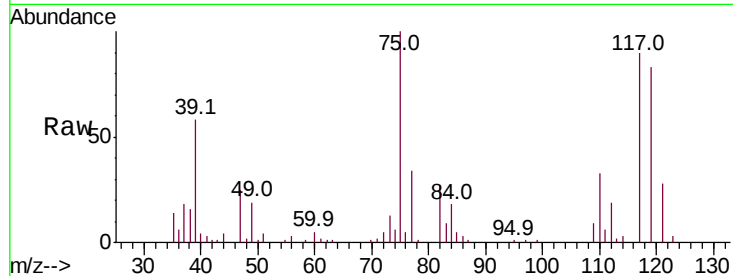


#29
 1,1-Dichloropropene
 Concen: 1.955 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VU030579.D
 Acq: 30 Mar 2019 19:17

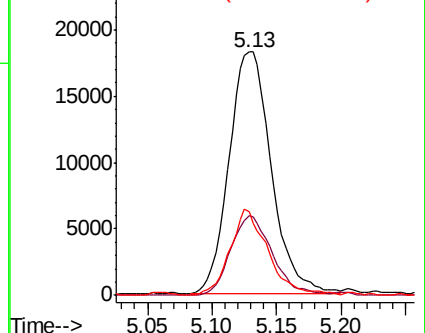
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0331WBSD01

Tot Ion:	75	Resp:	41374
Ion Ratio	Lower	Upper	
75	100		
110	32.5	16.0	48.0
77	32.1	24.8	37.2

Manual Integrations
 APPROVED

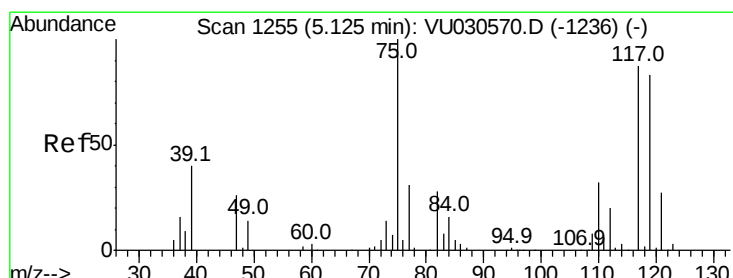
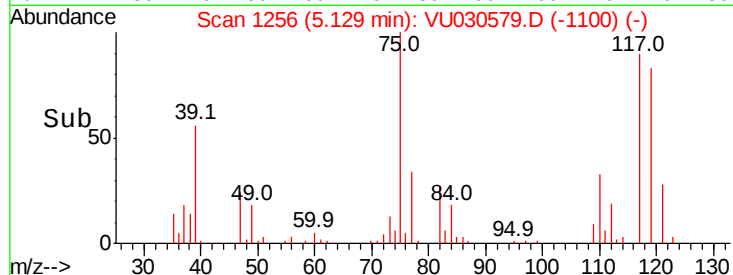


Abundance Ion 75.00 (74.70 to 75.70): VU030579.D (-1100) (-)
 Ion 110.00 (109.70 to 110.70): VU030579.D (-1100) (-)
 Ion 77.00 (76.70 to 77.70): VU030579.D (-1100) (-)



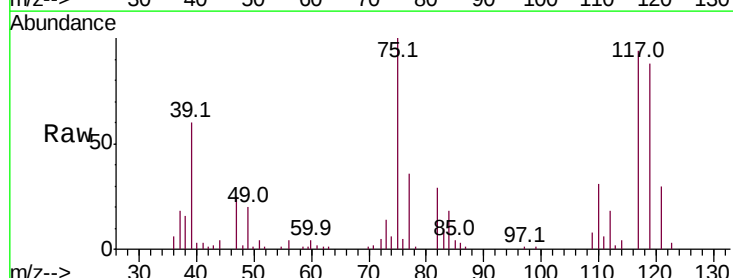
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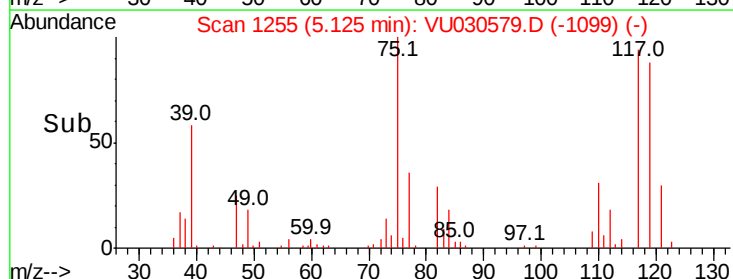
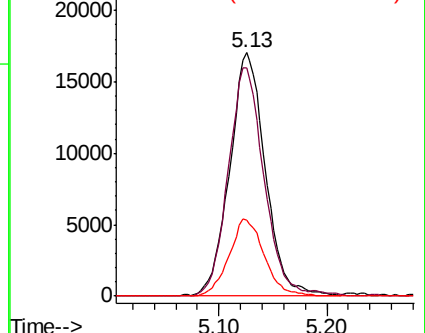


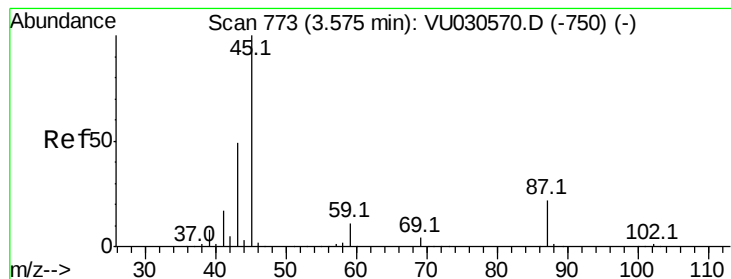
#30
 Carbon Tetrachloride
 Concen: 1.993 ug/l
 RT: 5.13 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VU030579.D
 Acq: 30 Mar 2019 19:17

Tgt Ion:	117	Resp:	39251
Ion Ratio	Lower	Upper	
117	100		
119	93.7	76.4	114.6
121	31.4	24.7	37.1



Abundance Ion 117.00 (116.70 to 117.70): VU030579.D (-1099) (-)
 Ion 119.00 (118.70 to 119.70): VU030579.D (-1099) (-)
 Ion 121.00 (120.70 to 121.70): VU030579.D (-1099) (-)





#31

Isopropyl Ether

Concen: 1.988 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU030579.D

Acq: 30 Mar 2019 19:17

Instrument :

MSVOA_U

ClientSampleId :

VU0331WBSD01

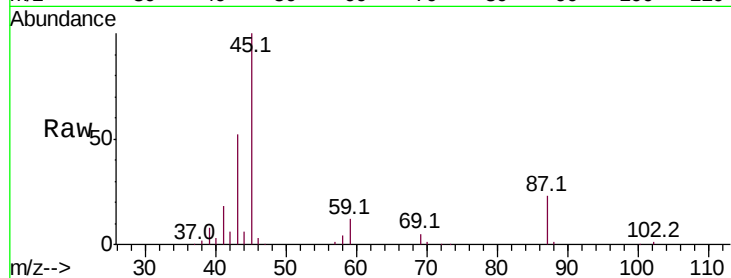
Tot Ion: 45 Resp: 101322

Ion Ratio Lower Upper

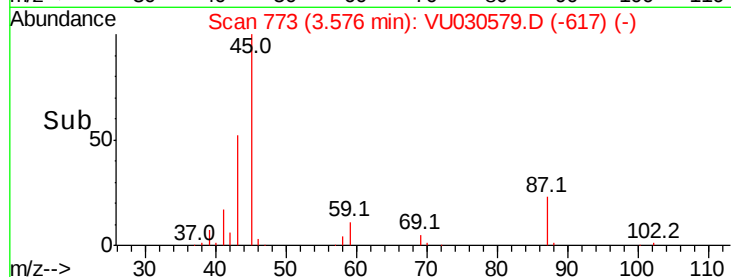
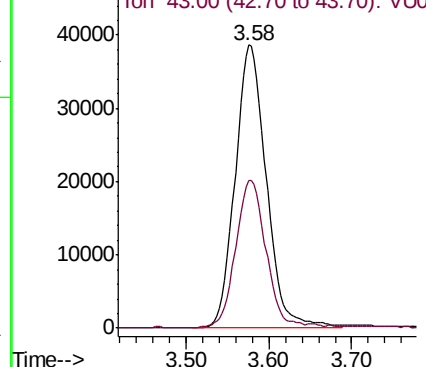
45 100

43 50.6 25.0 75.0

Manual Integrations
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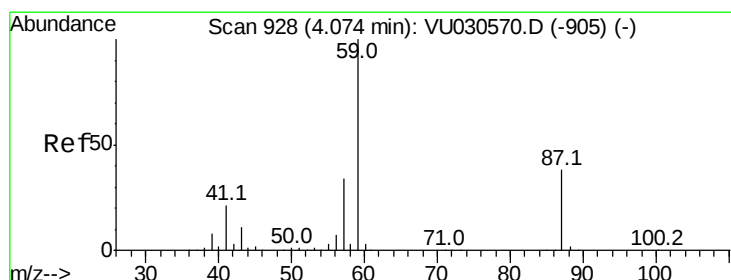


Abundance Ion 45.00 (44.70 to 45.70): VU030579.D (-617) (-)



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#32

Ethyl-t-butyl ether

Concen: 1.918 ug/l

RT: 4.08 min Scan# 929

Delta R.T. 0.00 min

Lab File: VU030579.D

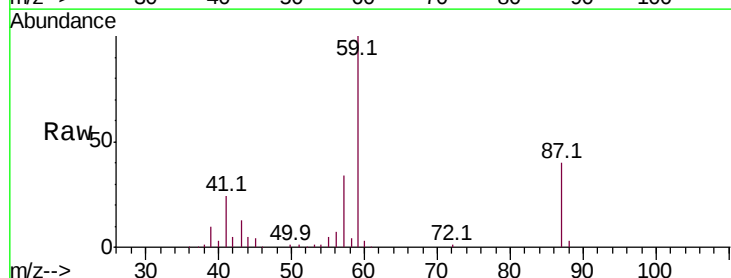
Acq: 30 Mar 2019 19:17

Tgt Ion: 59 Resp: 77827

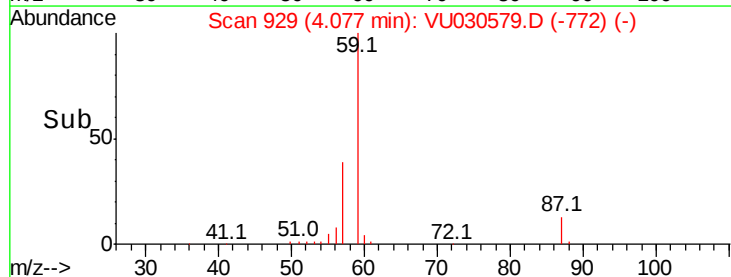
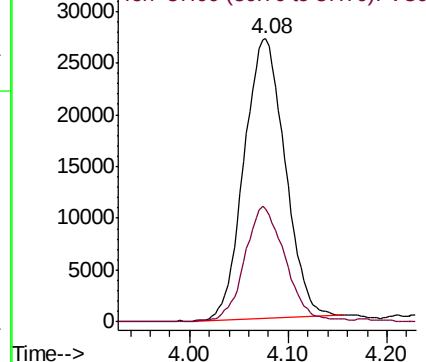
Ion Ratio Lower Upper

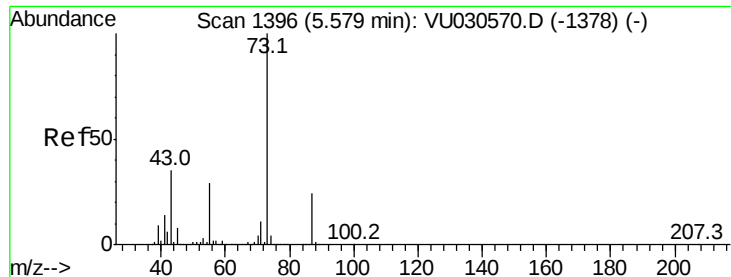
59 100

87 40.1 30.1 45.1



Abundance Ion 59.00 (58.70 to 59.70): VU030579.D (-772) (-)



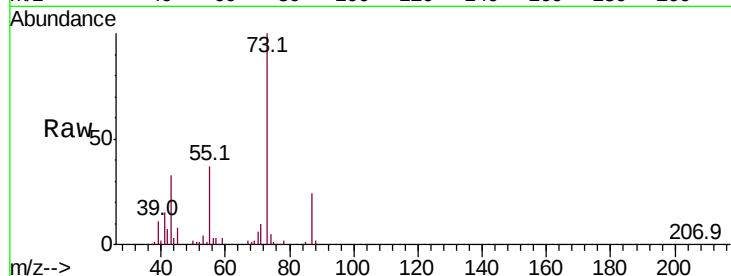


#33
Tert-Butyl methyl ether
Concen: 1.991 ug/l
RT: 5.58 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Instrument :
MSVOA_U
ClientSampleId :
VU0331WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.2	18.6	27.8
71	11.1	9.0	13.4

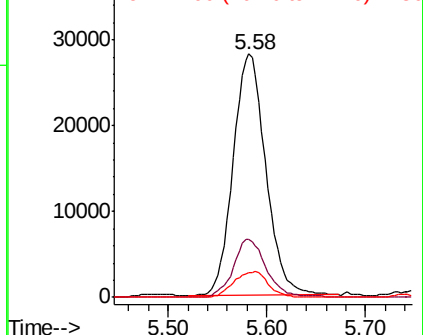
Manual Integrations
APPROVED



Abundance Ion 73.00 (72.70 to 73.70): VU030570.D (-1378) (-)

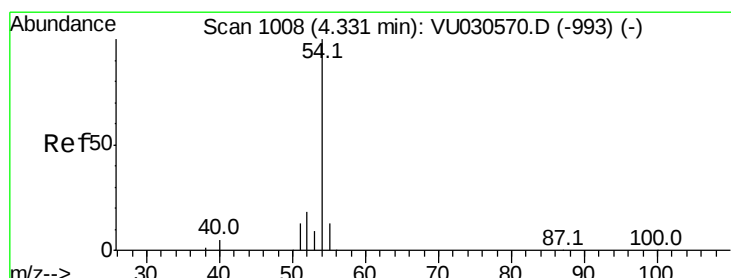
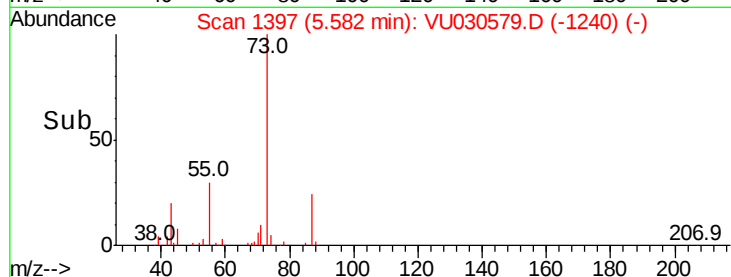
Ion 87.00 (86.70 to 87.70): VU030570.D (-1378) (-)

Ion 71.00 (70.70 to 71.70): VU030570.D (-1378) (-)



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#34
Propionitrile
Concen: 10.477 ug/l
RT: 4.34 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

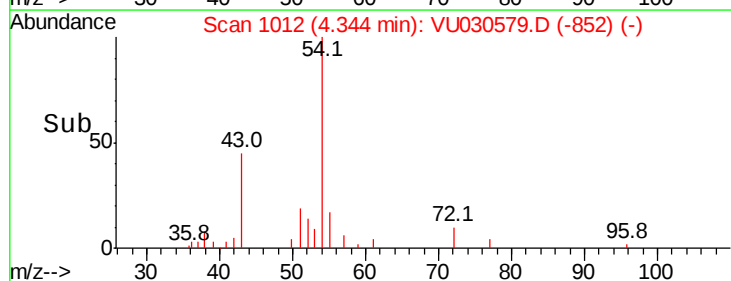
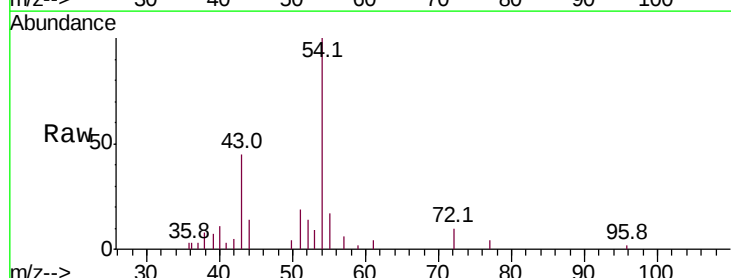
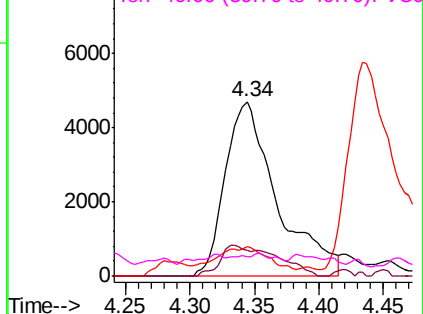
Tgt Ion	Ratio	Lower	Upper
54	100		
52	9.7	14.1	21.1#
55	13.8	10.4	15.6
40	1.3	1.8	2.8#

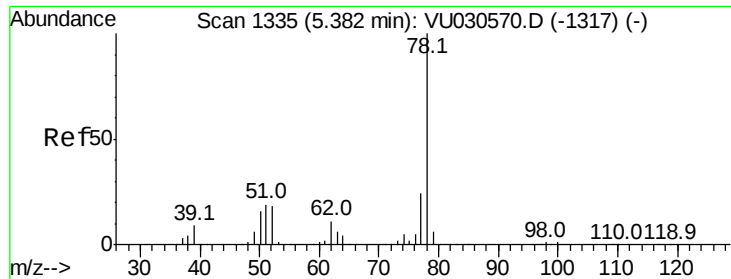
Abundance Ion 54.00 (53.70 to 54.70): VU030570.D (-993) (-)

Ion 52.00 (51.70 to 52.70): VU030570.D (-993) (-)

Ion 55.00 (54.70 to 55.70): VU030570.D (-993) (-)

Ion 40.00 (39.70 to 40.70): VU030570.D (-993) (-)





#35

Benzene

Concen: 2.007 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU030579.D

Acq: 30 Mar 2019 19:17

Instrument :

MSVOA_U

ClientSampleId :

VU0331WBSD01

Tot Ion: 78 Resp: 125605

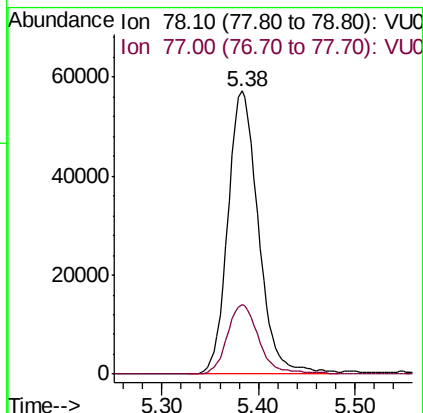
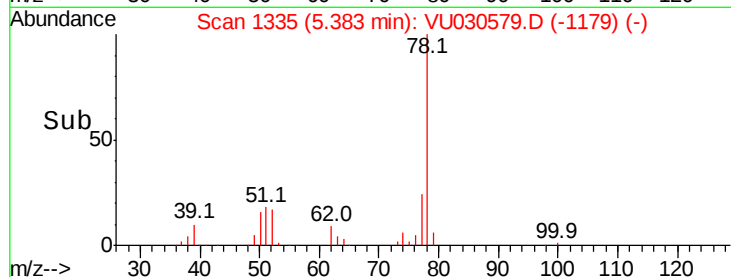
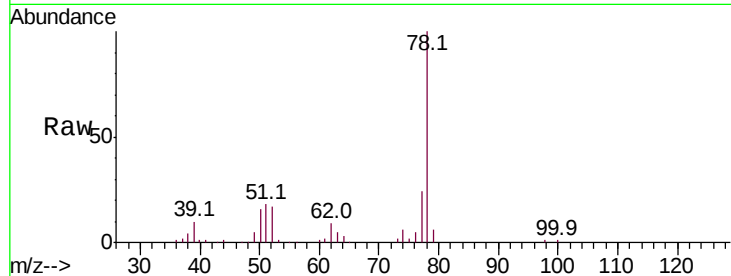
Ion Ratio Lower Upper

78 100

77 24.4 19.5 29.3

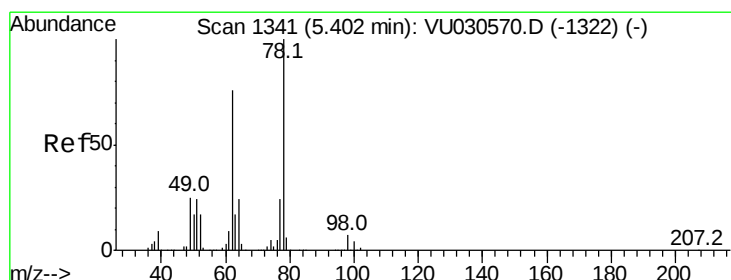
Manual Integrations

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#36

1,2-Dichloroethane

Concen: 2.071 ug/l

RT: 5.41 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU030579.D

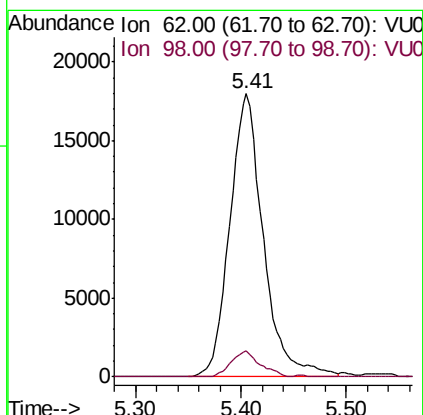
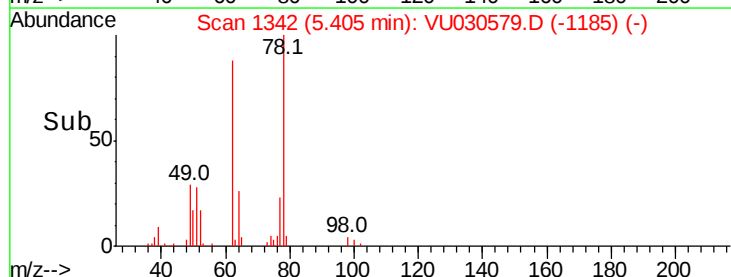
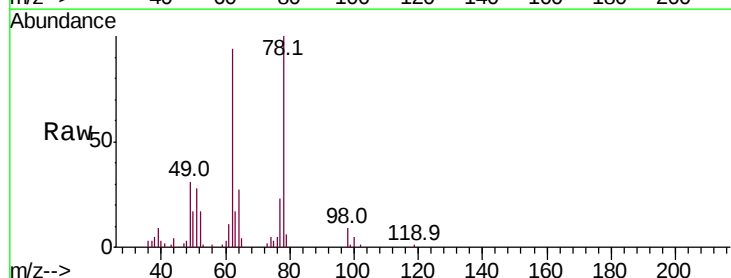
Acq: 30 Mar 2019 19:17

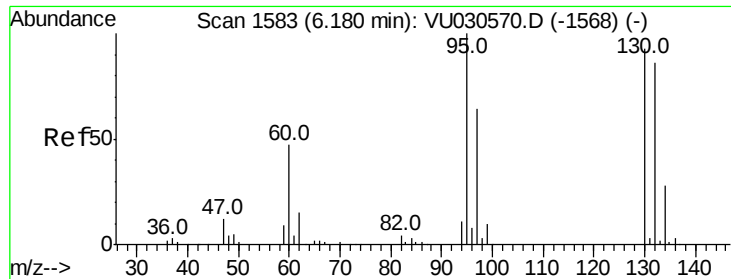
Tgt Ion: 62 Resp: 39597

Ion Ratio Lower Upper

62 100

98 7.9 6.8 10.2





#37

Trichloroethene

Concen: 2.025 ug/l

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU030579.D

Acq: 30 Mar 2019 19:17

Instrument :

MSVOA_U

ClientSampleId :

VU0331WBSD01

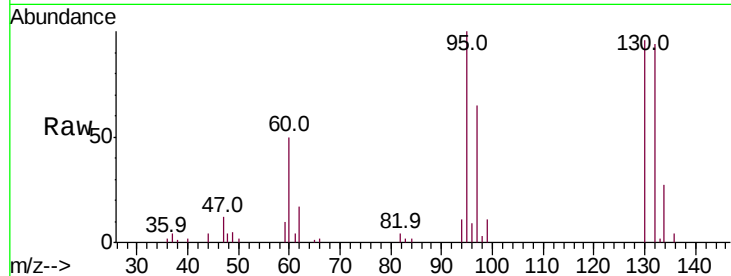
Tot Ion:130 Resp: 30407

Ion Ratio Lower Upper

130 100

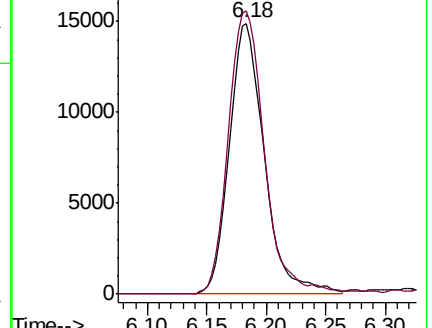
95 104.5 85.8 128.8

Manual Integrations
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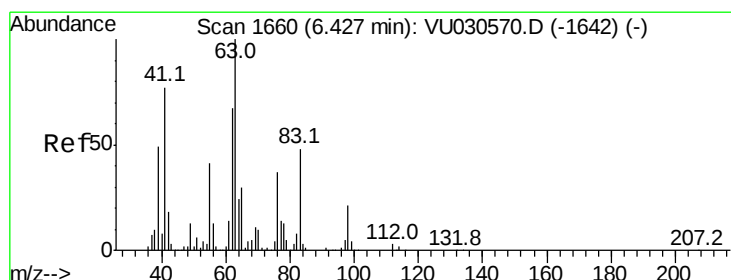
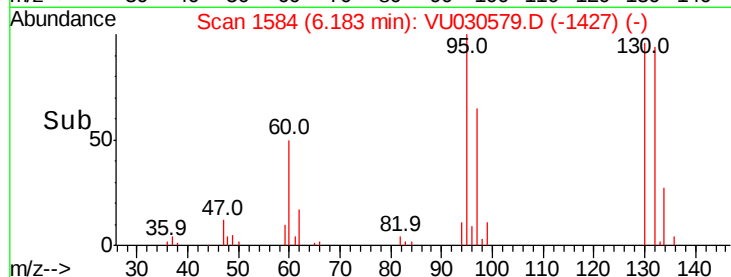
Abundance Ion 129.90 (129.60 to 130.60): VU030570.D (-1568) (-)

Ion 94.90 (94.60 to 95.60): VU030570.D (-1568) (-)



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#38

1,2-Dichloropropane

Concen: 2.041 ug/l

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU030579.D

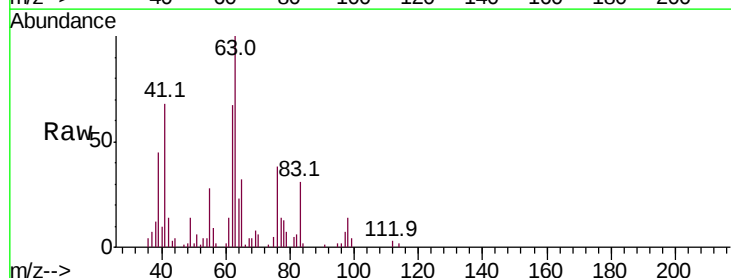
Acq: 30 Mar 2019 19:17

Tgt Ion: 63 Resp: 35374

Ion Ratio Lower Upper

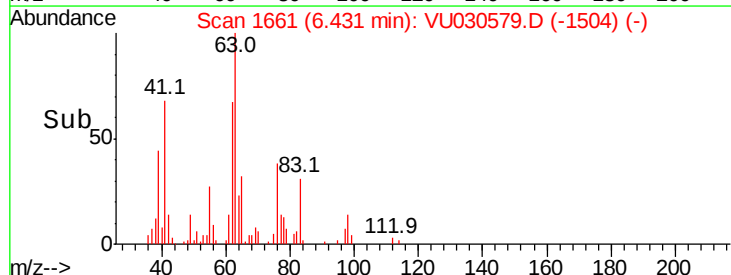
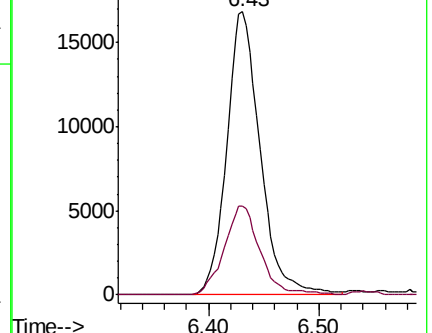
63 100

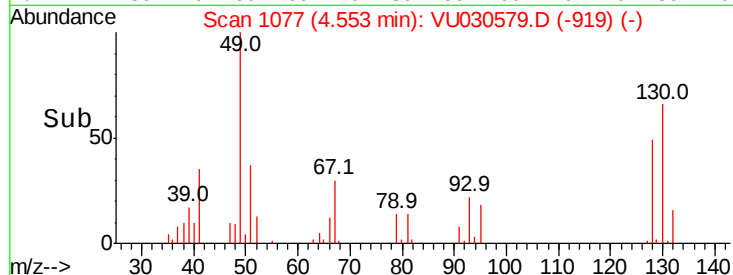
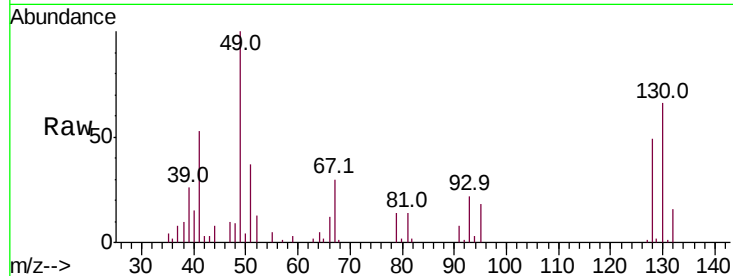
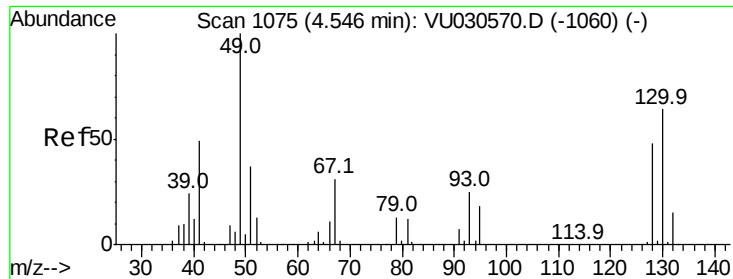
65 31.5 23.9 35.9



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

Ion 65.00 (64.70 to 65.70): VU030570.D (-1642) (-)



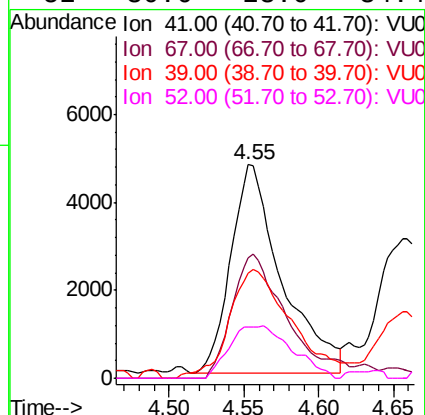


#39
Methacrylonitrile
Concen: 2.015 ug/l
RT: 4.55 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Tot Ion	Ratio	Lower	Upper
41	100		
67	60.1	50.2	75.4
39	64.6	40.7	61.1#
52	30.6	23.0	34.4

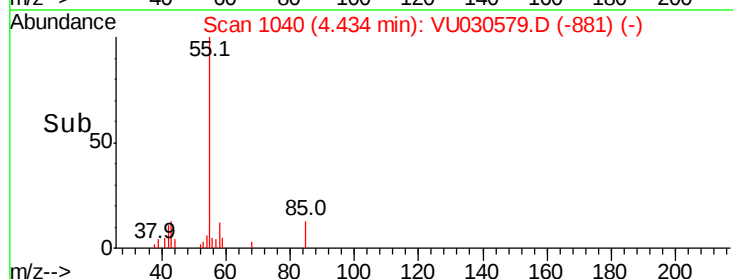
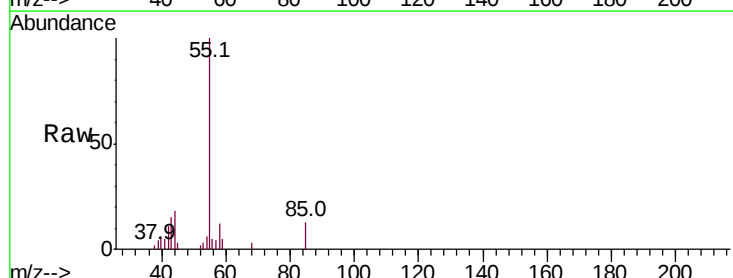
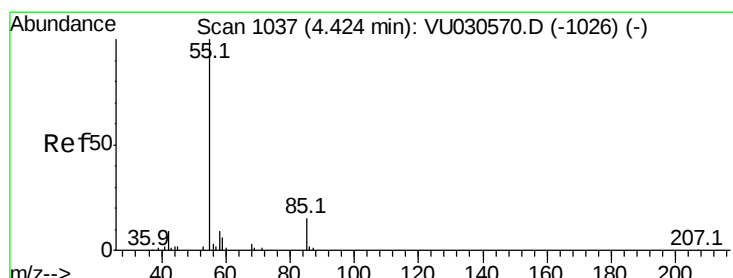
Instrument :
MSVOA_U
ClientSampleId :
VU0331WBSD01

Manual Integrations
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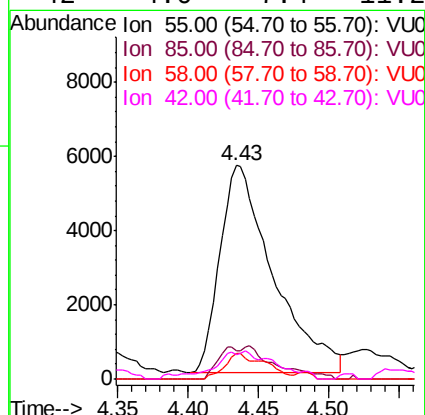
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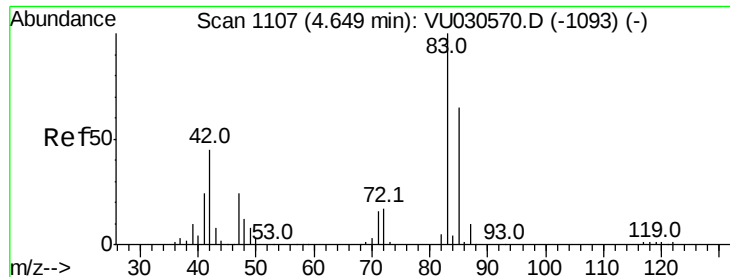
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#40
Methyl acrylate
Concen: 1.923 ug/l
RT: 4.43 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Tgt Ion	Ratio	Lower	Upper
55	100		
85	0.0	12.5	18.7#
58	9.2	6.3	9.5
42	4.0	7.4	11.2#



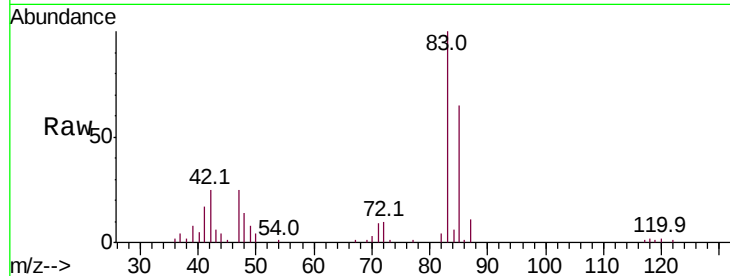


#41
Tetrahydrofuran
Concen: 3.959 ug/l
RT: 4.66 min Scan# 1110
Delta R.T. 0.01 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

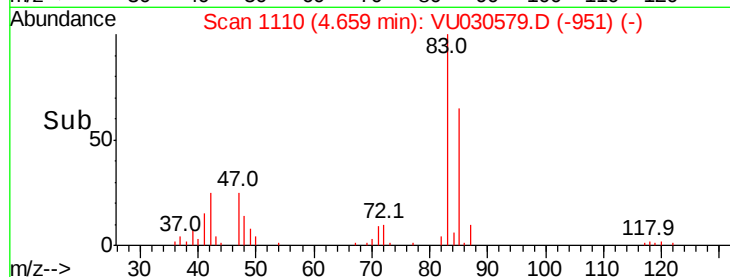
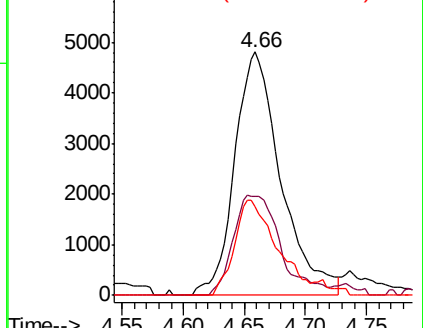
Instrument :
MSVOA_U
ClientSampleId :
VU0331WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.4	50.0
71	35.7	28.8	43.2

Manual Integrations
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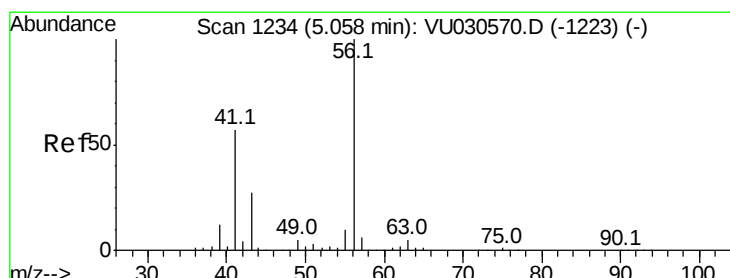


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0



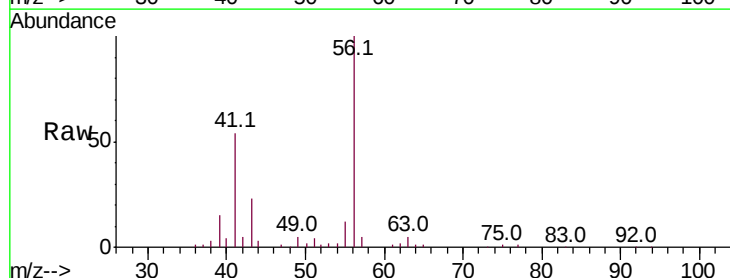
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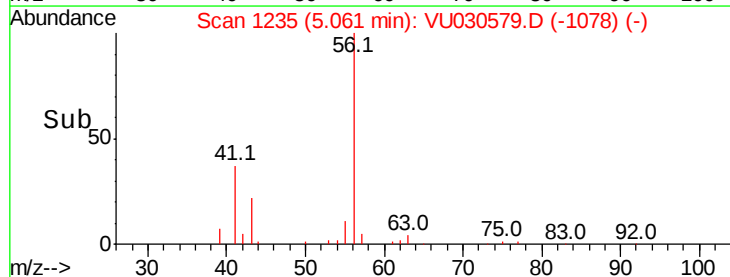
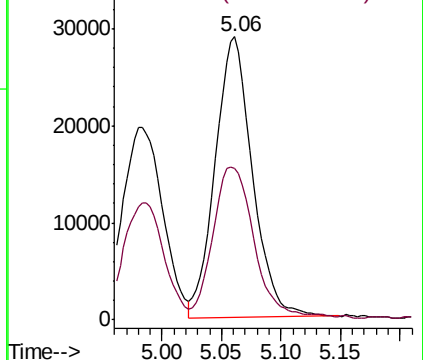


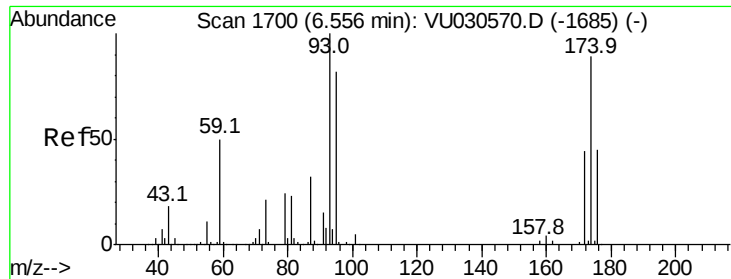
#42
1-Chlorobutane
Concen: 1.983 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Tgt Ion	Ratio	Lower	Upper
56	100		
41	56.4	28.5	85.6



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 41.00 (40.70 to 41.70): VU0



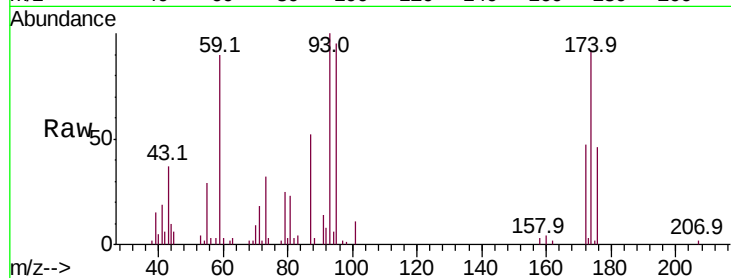


#43
Dibromomethane
Concen: 1.956 ug/l
RT: 6.56 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Instrument :
MSVOA_U
ClientSampleId :
VU0331WBSD01

Tot Ion	Ratio	Lower	Upper
93	100		
95	88.2	63.9	95.9
174	91.5	71.0	106.4

Manual Integrations
APPROVED

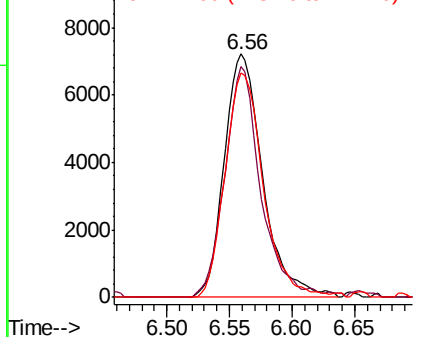


Abundance

Ion 93.00 (92.70 to 93.70): VU030570.D (-1685) (-)

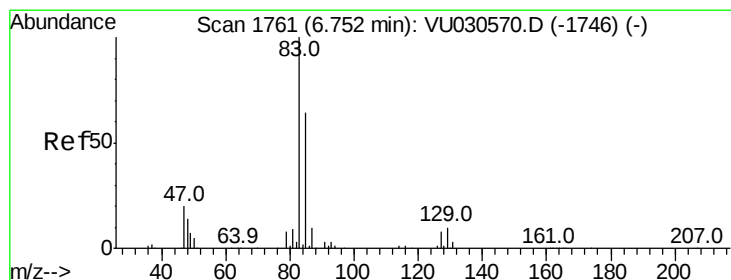
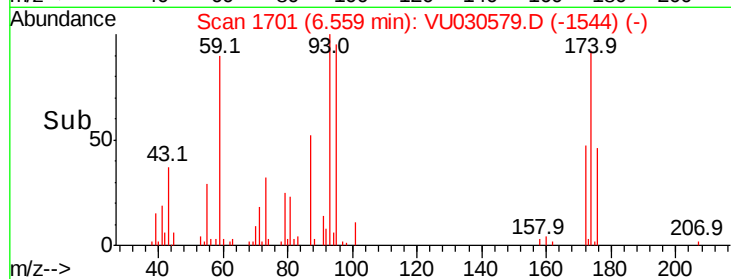
Ion 95.00 (94.70 to 95.70): VU030570.D (-1685) (-)

Ion 174.00 (173.70 to 174.70): VU030570.D (-1685) (-)



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#44
Bromodichloromethane
Concen: 2.034 ug/l
RT: 6.76 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

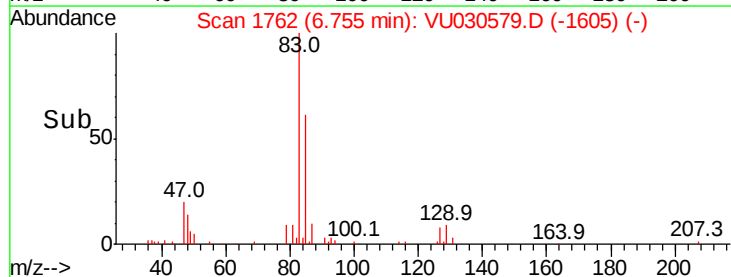
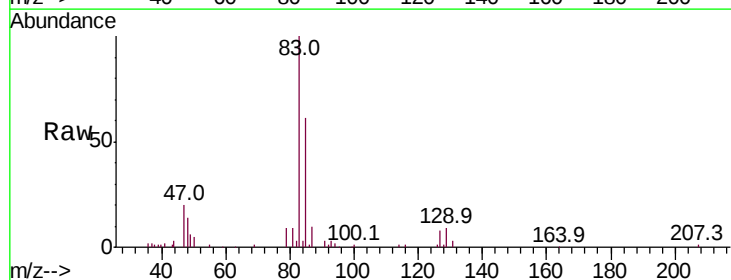
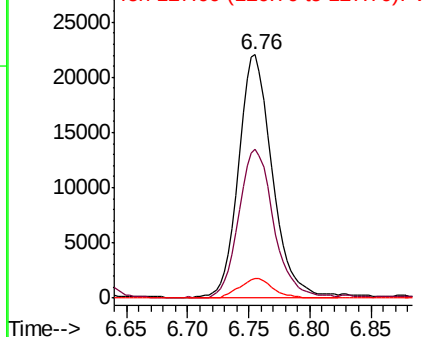
Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.4	51.1	76.7
127	8.2	6.1	9.1

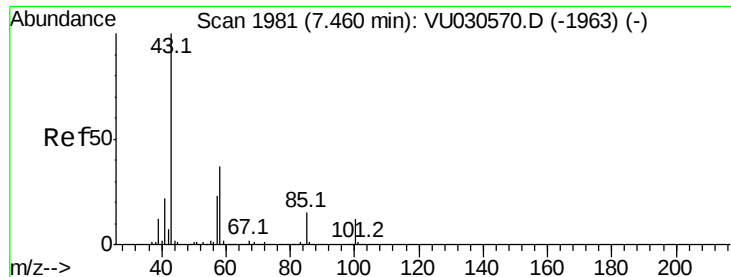
Abundance

Ion 83.00 (82.70 to 83.70): VU030570.D (-1746) (-)

Ion 85.00 (84.70 to 85.70): VU030570.D (-1746) (-)

Ion 127.00 (126.70 to 127.70): VU030570.D (-1746) (-)



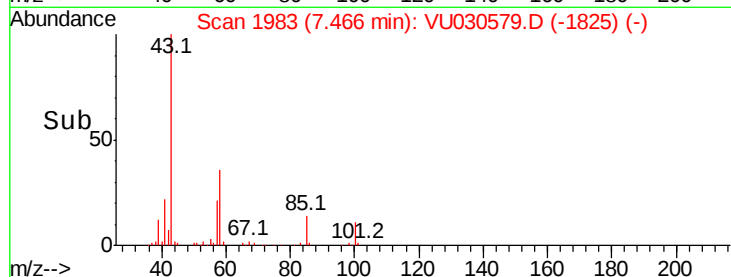
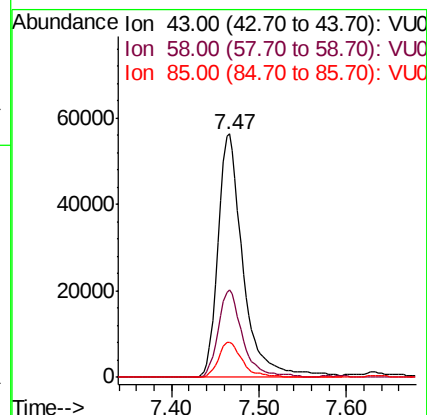
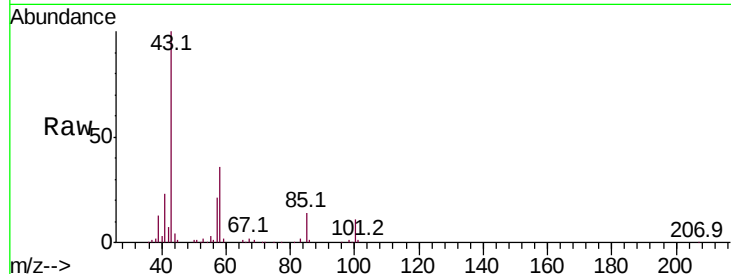


#45
4-Methyl-2-Pentanone
Concen: 10.400 ug/l
RT: 7.47 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Instrument :
MSVOA_U
ClientSampleId :
VU0331WBSD01

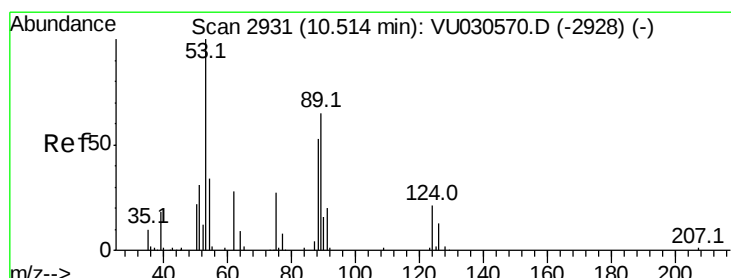
Tot Ion	Ratio	Lower	Upper
43	100		
58	34.1	18.6	55.8
85	13.9	11.8	17.6

Manual Integrations
APPROVED



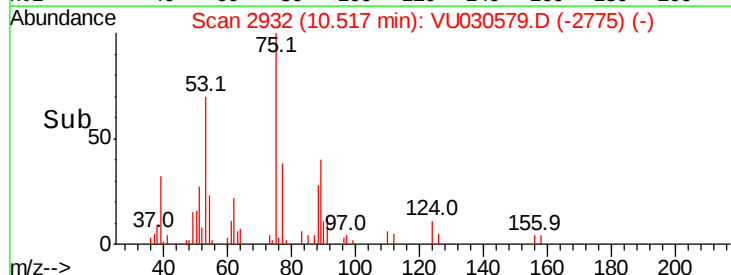
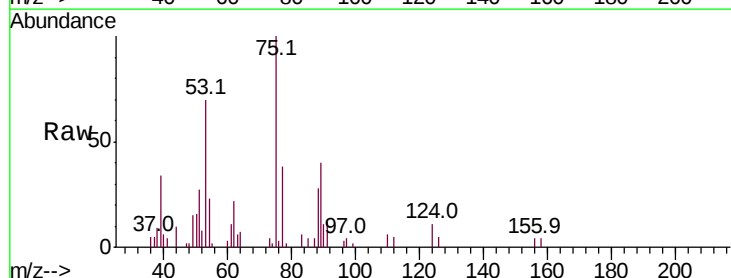
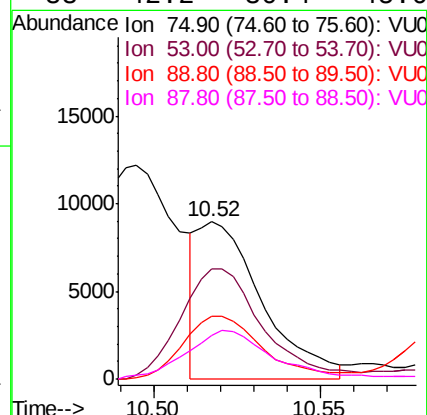
MMDadoda

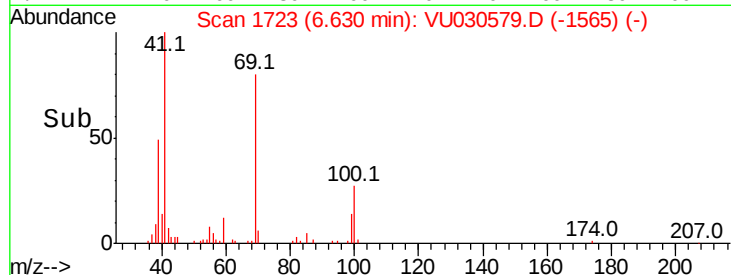
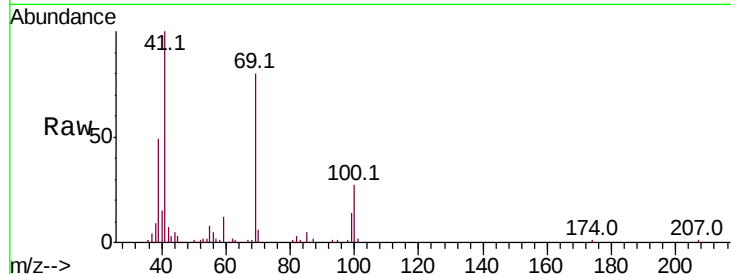
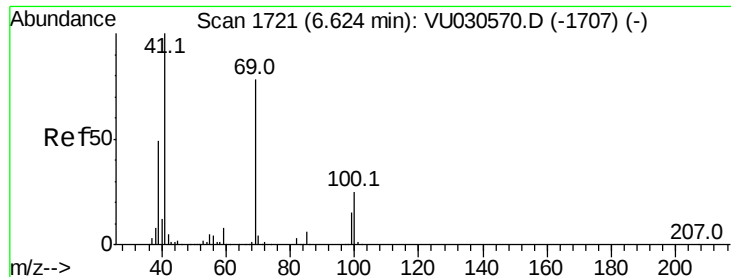
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#46
t-1,4-Dichloro-2-butene
Concen: 3.444 ug/l m
RT: 10.52 min Scan# 2932
Delta R.T. 0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

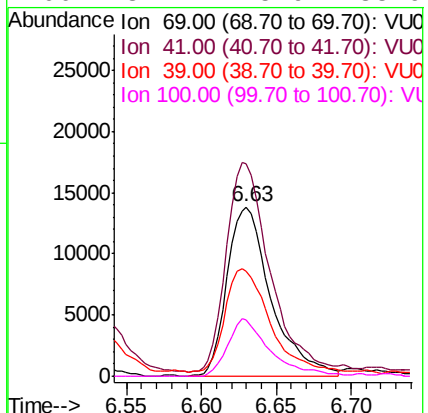
Tgt Ion	Ratio	Lower	Upper
75	100		
53	90.4	63.4	95.2
89	50.9	39.1	58.7
88	42.2	30.4	45.6





#47
Methyl methacrylate
Concen: 4.252 ug/l
RT: 6.63 min Scan# 1723
Delta R.T. 0.01 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Tot Ion	69	Resp	28348
Ion	Ratio	Lower	Upper
69	100		
41	122.8	0.0	258.0
39	60.8	51.0	76.4
100	32.4	25.9	38.9

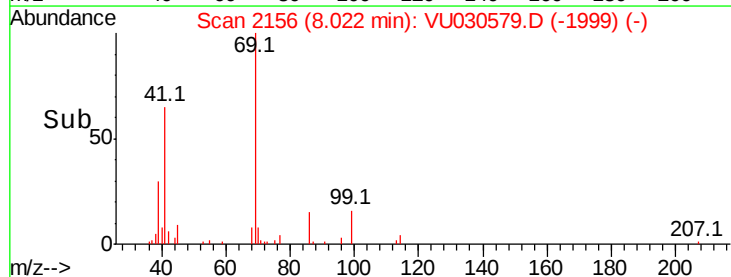
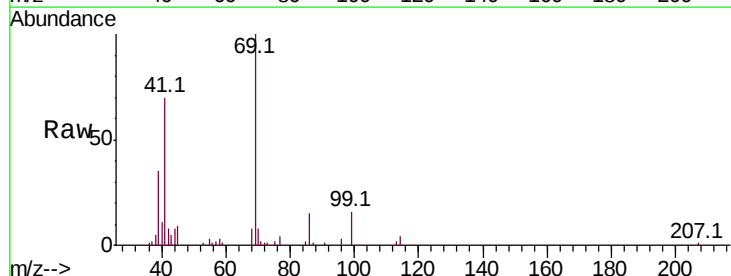
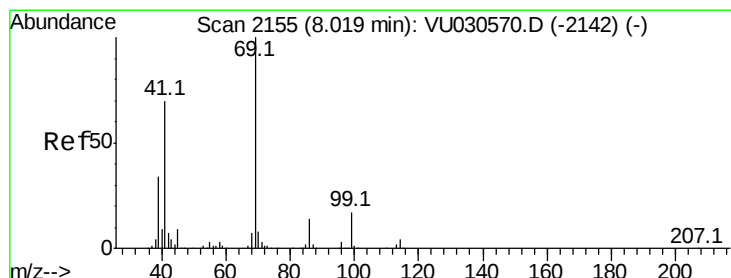


Instrument :
MSVOA_U
ClientSampleId :
VU0331WBSD01

Manual Integrations
APPROVED

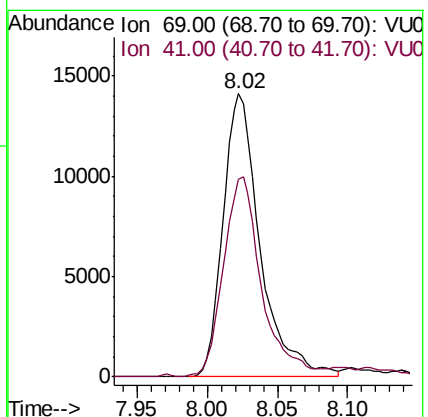
MMDadoda

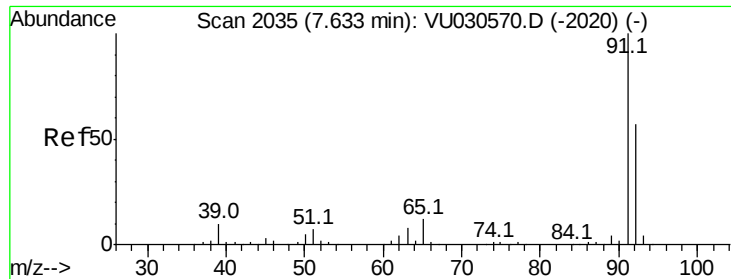
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#48
Ethyl methacrylate
Concen: 1.984 ug/l
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Tgt Ion	69	Resp	25936
Ion	Ratio	Lower	Upper
69	100		
41	72.9	36.1	108.5





#49

Toluene

Concen: 1.966 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030579.D

Acq: 30 Mar 2019 19:17

Instrument :

MSVOA_U

ClientSampleId :

VU0331WBSD01

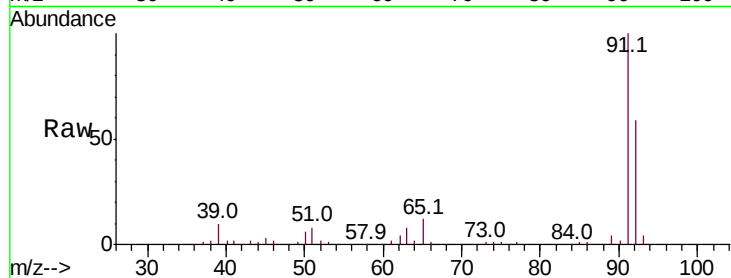
Tot Ion: 92 Resp: 67436

Ion Ratio Lower Upper

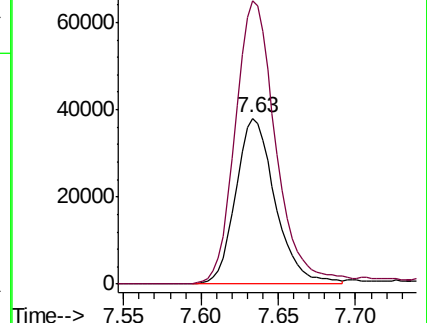
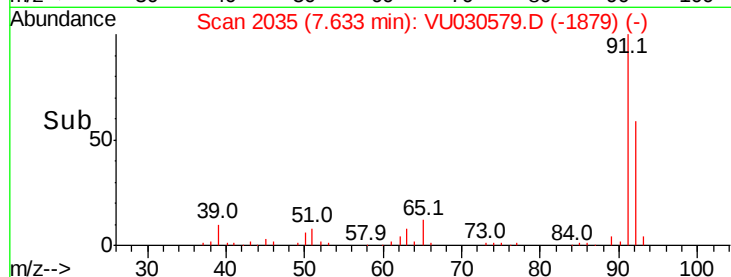
92 100

91 175.5 140.2 210.4

Manual Integrations
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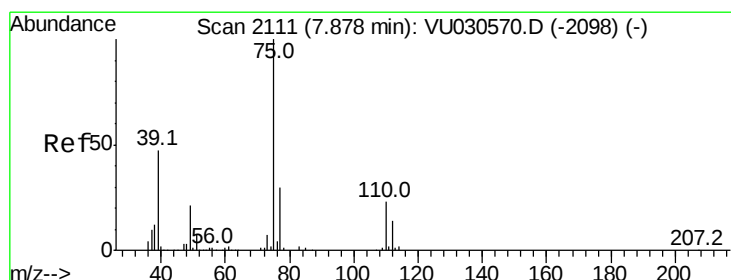


Abundance Ion 92.00 (91.70 to 92.70): VU030579.D (-1879) (-)



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#50

t-1,3-Dichloropropene

Concen: 1.999 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU030579.D

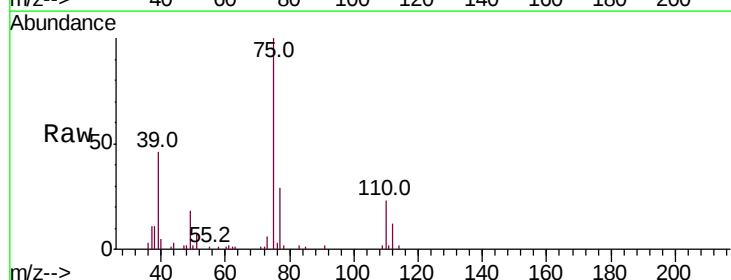
Acq: 30 Mar 2019 19:17

Tgt Ion: 75 Resp: 34850

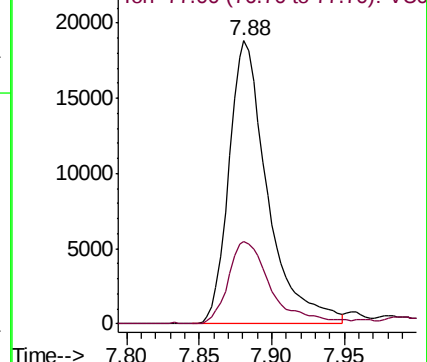
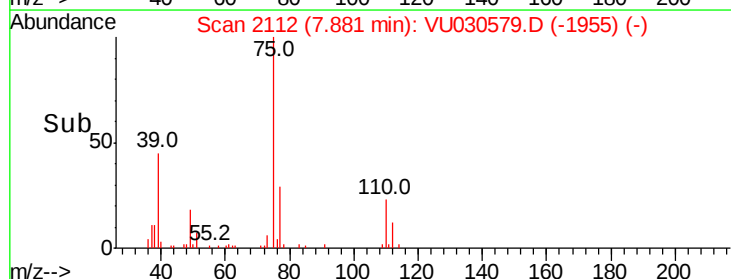
Ion Ratio Lower Upper

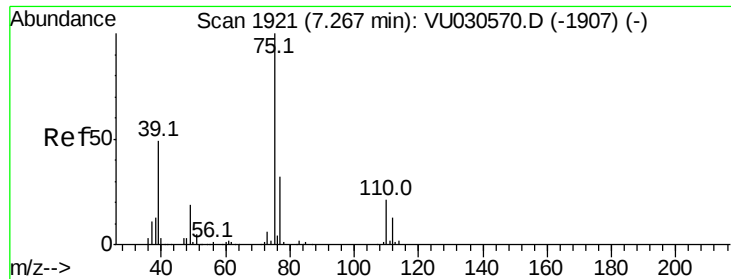
75 100

77 29.2 24.4 36.6



Abundance Ion 75.00 (74.70 to 75.70): VU030579.D (-1955) (-)





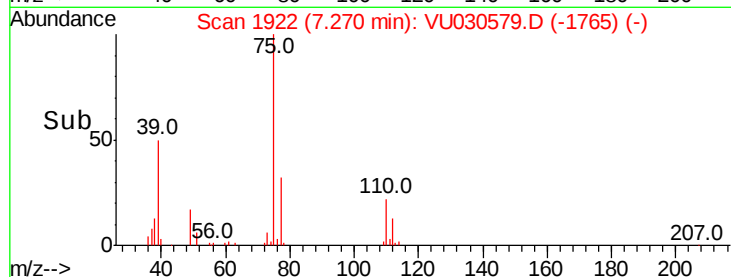
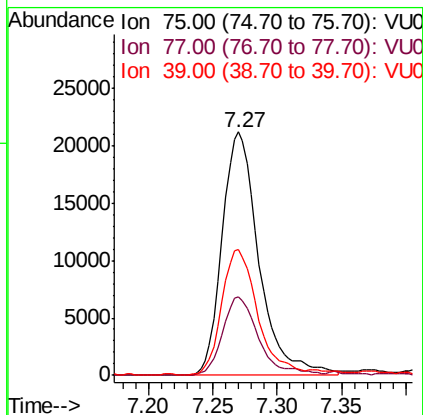
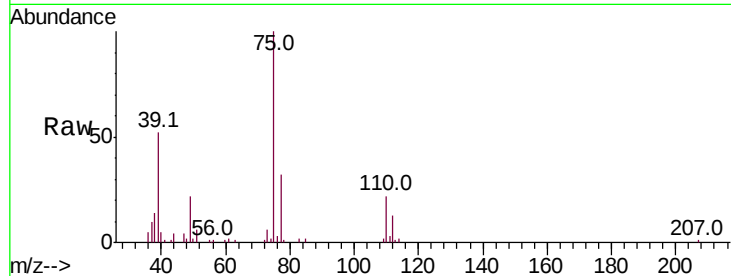
#51

cis-1,3-Dichloropropene
Concen: 1.941 ug/l
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Instrument :
MSVOA_U
ClientSampleId :
VU0331WBSD01

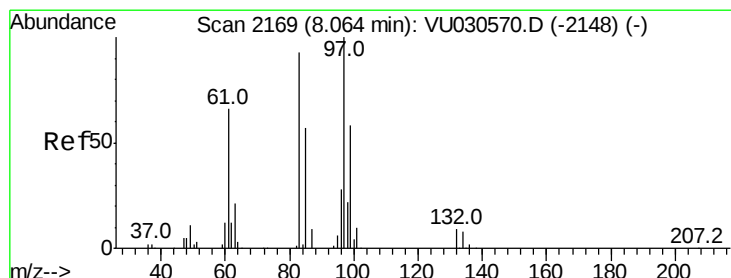
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.8	38.6
39	51.7	39.3	58.9

Manual Integrations
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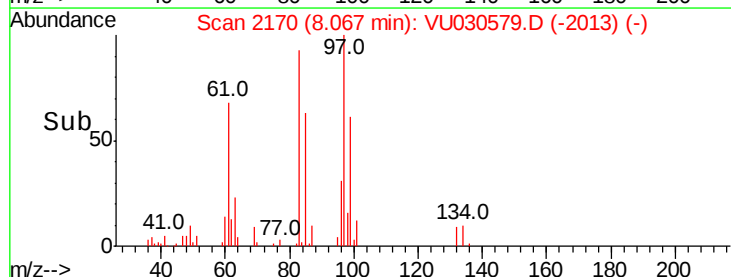
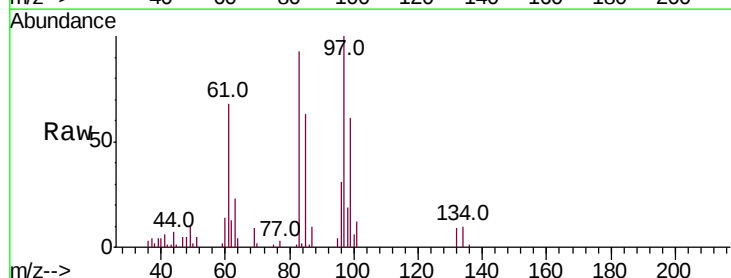
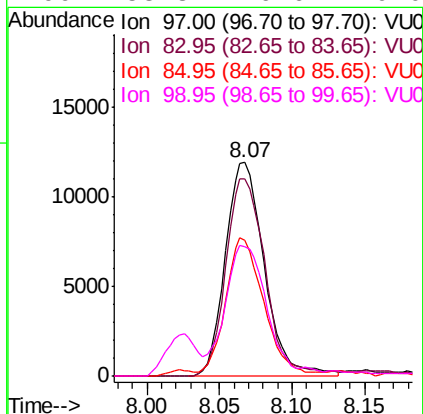
4/5/2019 2:39:03 PM

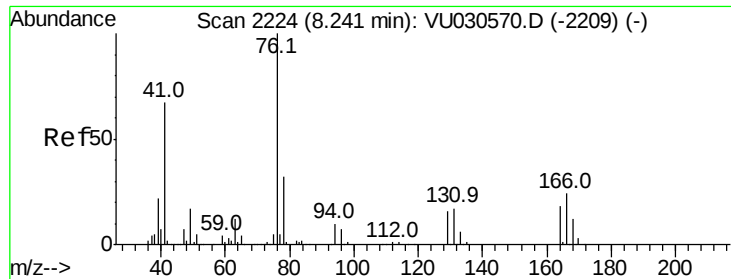


#52

1,1,2-Trichloroethane
Concen: 2.070 ug/l
RT: 8.07 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.6	74.3	111.5
85	61.2	45.4	68.0
99	58.3	46.6	70.0



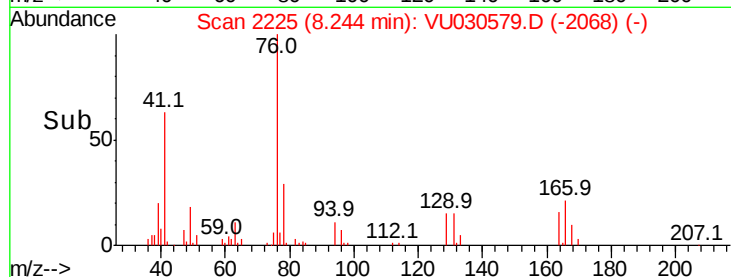
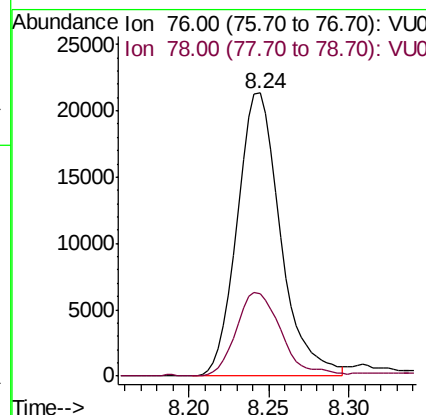
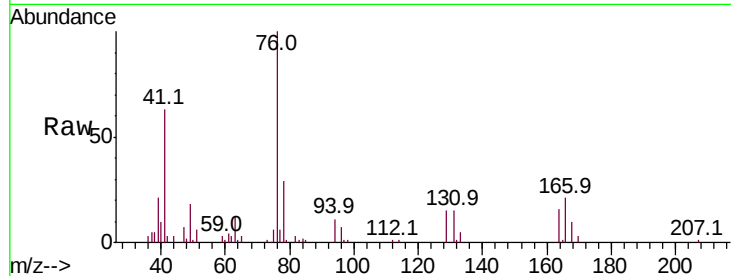


#53
 1,3-Dichloropropane
 Concen: 2.012 ug/l
 RT: 8.24 min Scan# 2225
 Delta R.T. 0.00 min
 Lab File: VU030579.D
 Acq: 30 Mar 2019 19:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0331WBSD01

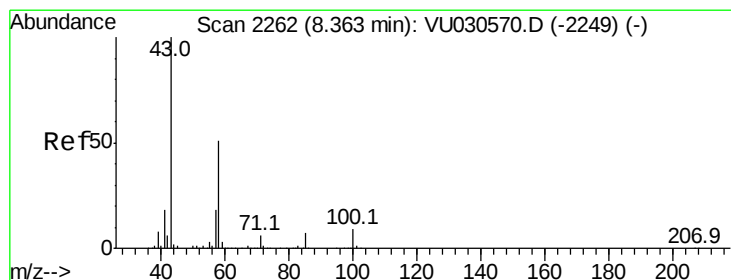
Tot Ion	Ratio	Lower	Upper
76	100		
78	30.9	25.3	37.9

Manual Integrations
 APPROVED



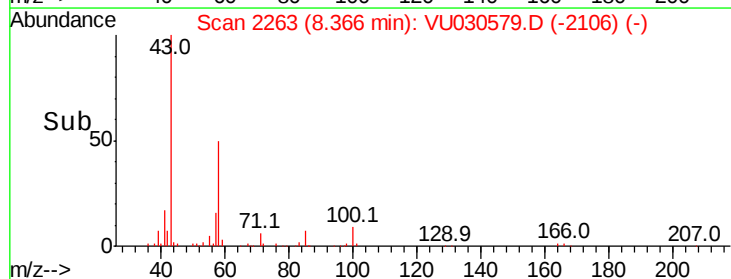
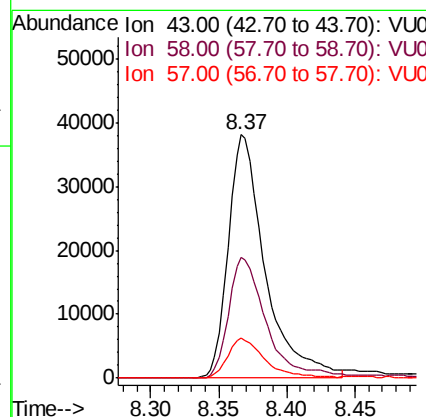
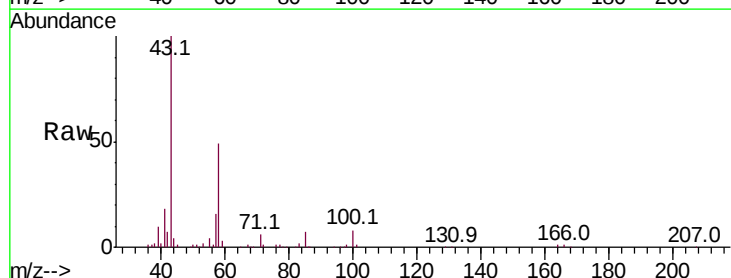
MMDadoda

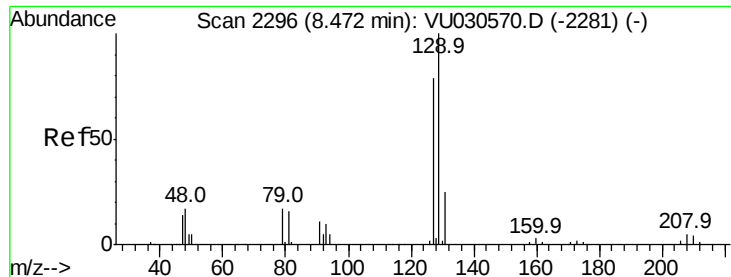
4/5/2019 2:39:03 PM



#54
 2-Hexanone
 Concen: 9.841 ug/l
 RT: 8.37 min Scan# 2263
 Delta R.T. 0.00 min
 Lab File: VU030579.D
 Acq: 30 Mar 2019 19:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	50.4	32.5	72.5
57	16.6	0.0	37.6





#55

Dibromochloromethane

Concen: 1.985 ug/l

RT: 8.48 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU030579.D

Acq: 30 Mar 2019 19:17

Instrument :

MSVOA_U

ClientSampleId :

VU0331WBSD01

Tot Ion:129 Resp: 24650

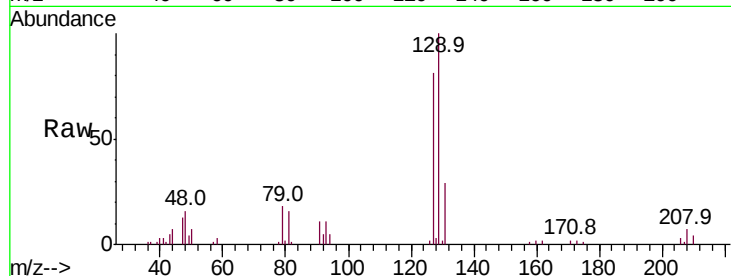
Ion Ratio Lower Upper

129 100

127 80.9 62.2 93.4

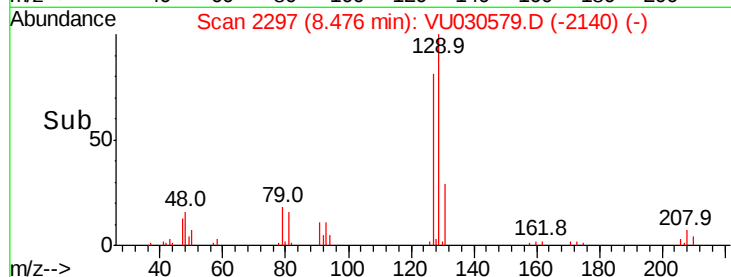
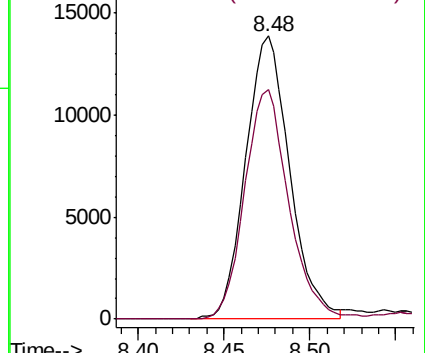
Manual Integrations

APPROVED



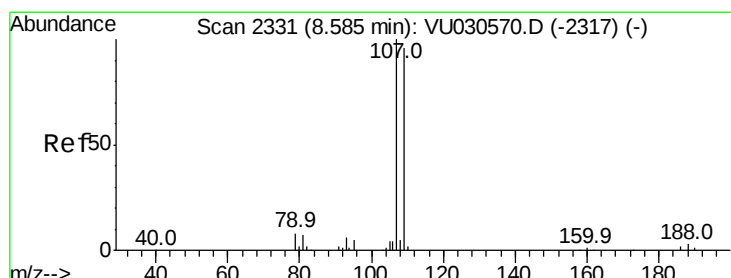
Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



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#56

1,2-Dibromoethane

Concen: 2.010 ug/l

RT: 8.59 min Scan# 2332

Delta R.T. 0.00 min

Lab File: VU030579.D

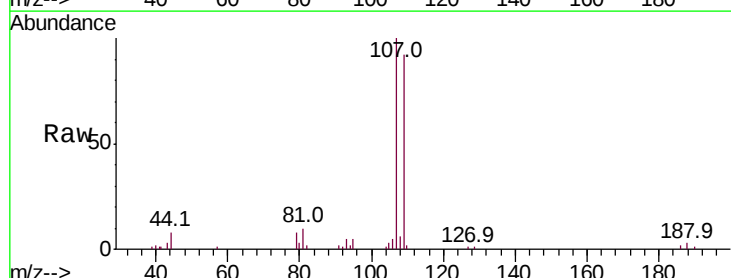
Acq: 30 Mar 2019 19:17

Tgt Ion:107 Resp: 19977

Ion Ratio Lower Upper

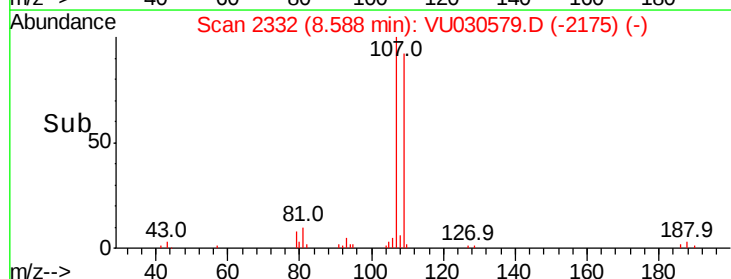
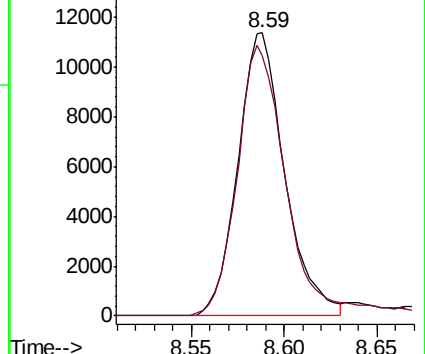
107 100

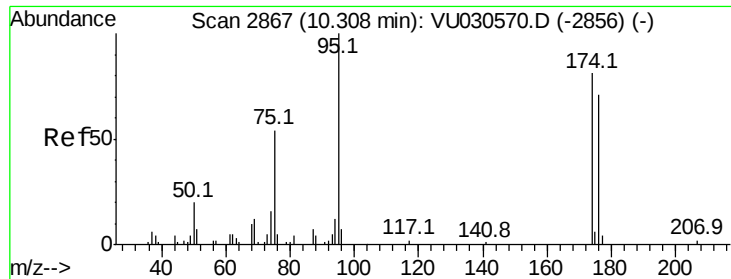
109 101.5 0.0 190.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



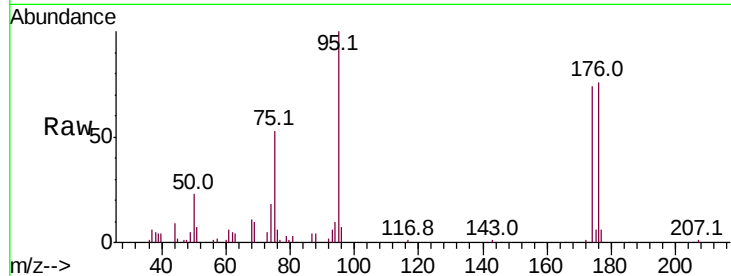


#57
4-Bromofluorobenzene
Concen: 2.010 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. 0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

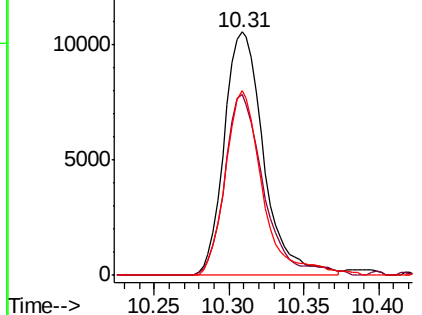
Instrument :
MSVOA_U
ClientSampled :
VU0331WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
95	100	19455		
174	70.9	60.5	90.7	
176	71.6	57.9	86.9	

Manual Integrations
APPROVED

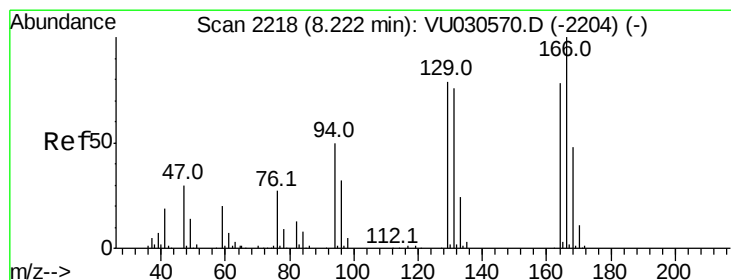
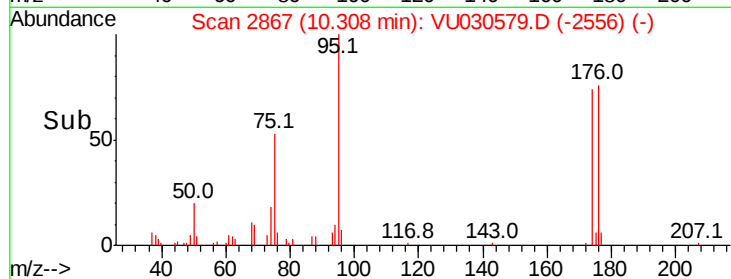


Abundance Ion 95.00 (94.70 to 95.70): VU030579.D (-2856) (-)
Ion 174.00 (173.70 to 174.70): VU030579.D (-2856) (-)
Ion 176.00 (175.70 to 176.70): VU030579.D (-2856) (-)



MMDadoda

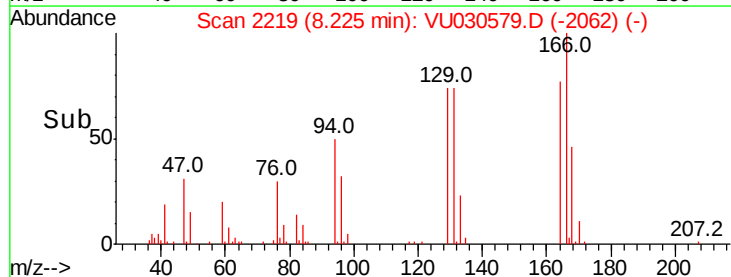
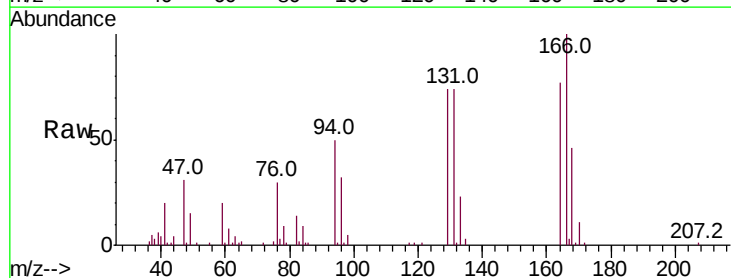
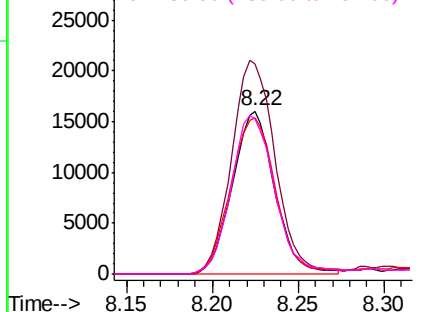
4/5/2019 2:39:03 PM

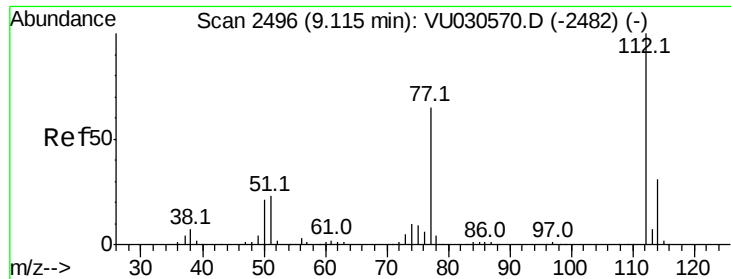


#58
Tetrachloroethene
Concen: 2.048 ug/l
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	27504		
166	129.3	102.4	153.6	
129	96.1	81.4	122.0	
131	95.4	77.7	116.5	

Abundance Ion 163.85 (163.55 to 164.55): VU030579.D (-2062) (-)
Ion 165.80 (165.50 to 166.50): VU030579.D (-2062) (-)
Ion 128.90 (128.60 to 129.60): VU030579.D (-2062) (-)
Ion 130.90 (130.60 to 131.60): VU030579.D (-2062) (-)



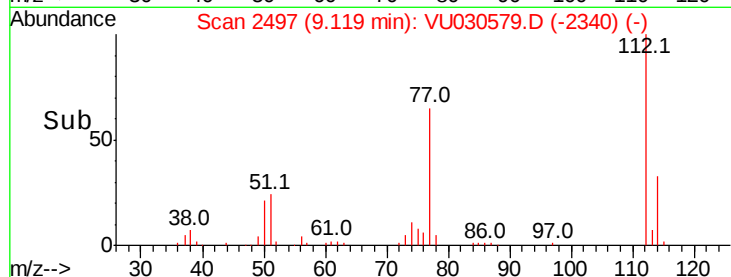
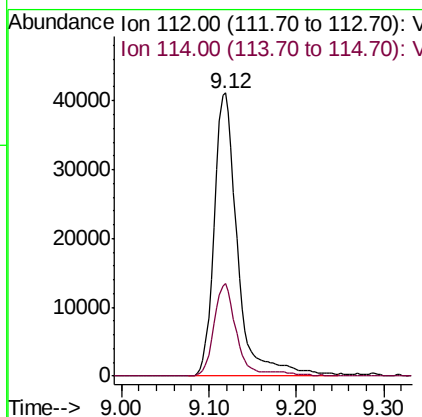
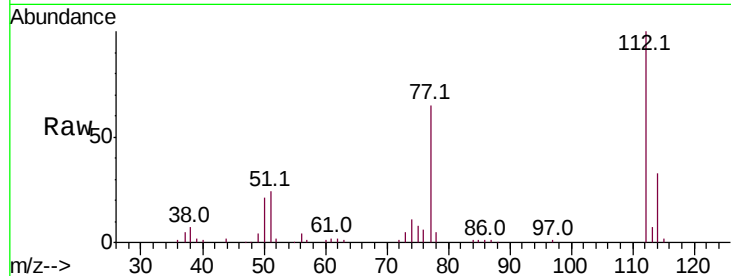


#59
Chlorobenzene
Concen: 2.070 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Instrument :
MSVOA_U
ClientSampleId :
VU0331WBSD01

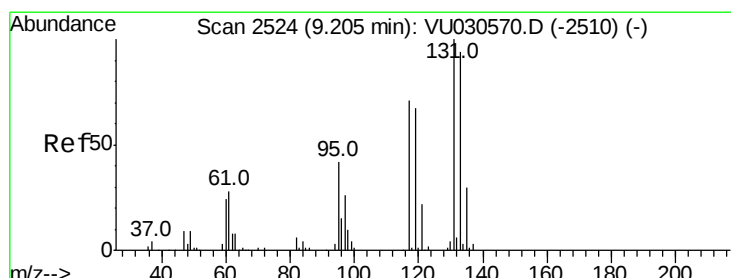
Tot Ion:112 Resp: 76719
Ion Ratio Lower Upper
112 100
114 32.6 24.9 37.3

Manual Integrations
APPROVED



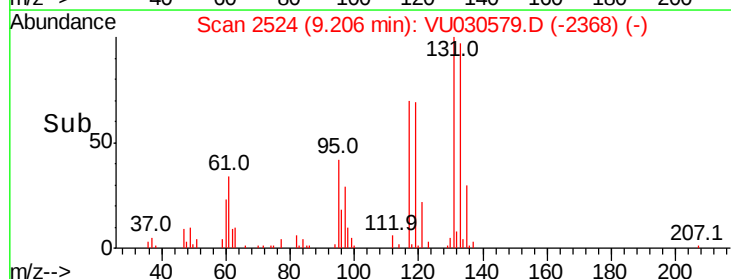
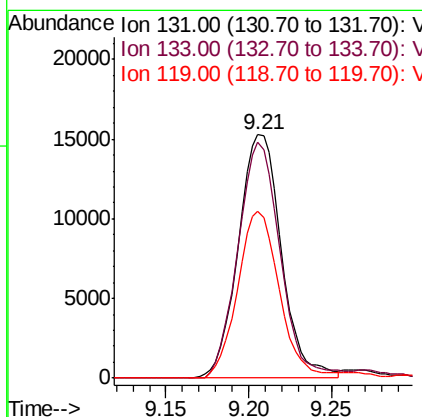
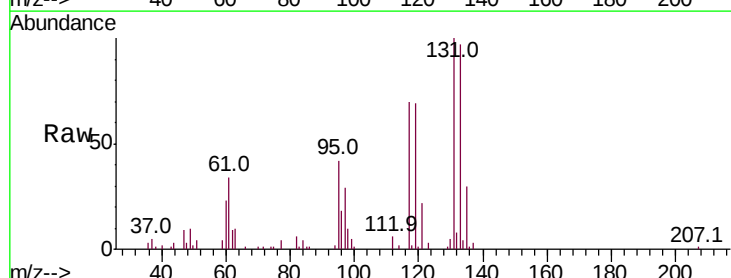
MMDadoda

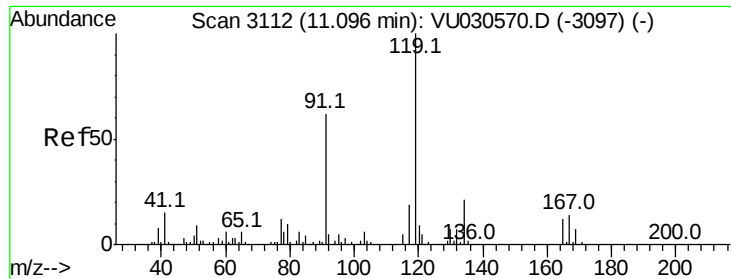
4/5/2019 2:39:03 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 2.014 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Tgt Ion:131 Resp: 27655
Ion Ratio Lower Upper
131 100
133 95.4 77.5 116.3
119 65.8 53.2 79.8



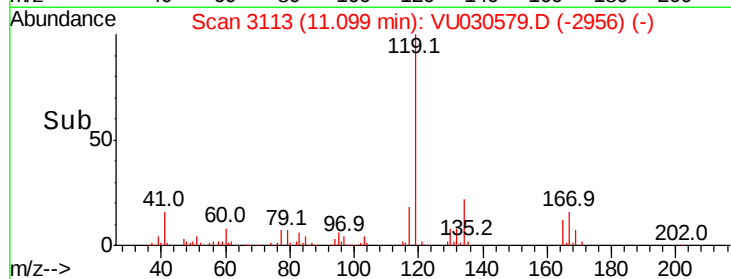
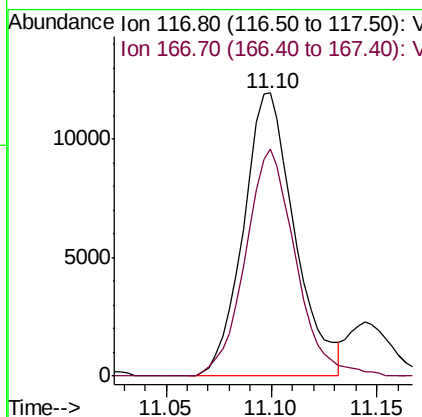
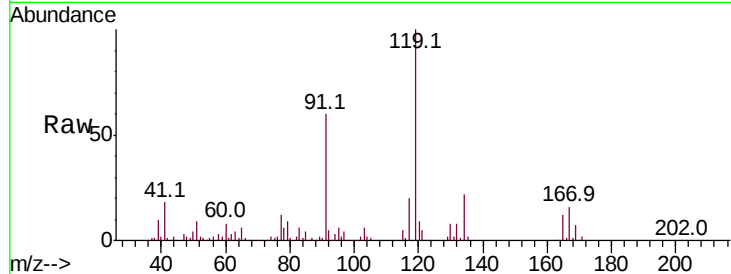


#61
 Pentachloroethane
 Concen: 1.917 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU030579.D
 Acq: 30 Mar 2019 19:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0331WBSD01

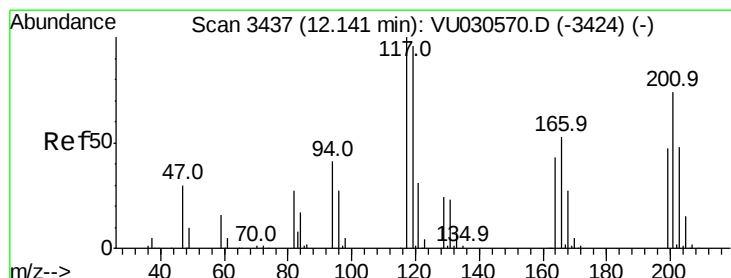
Tot Ion:117 Resp: 20301
 Ion Ratio Lower Upper
 117 100
 167 77.9 62.6 93.8

Manual Integrations
 APPROVED



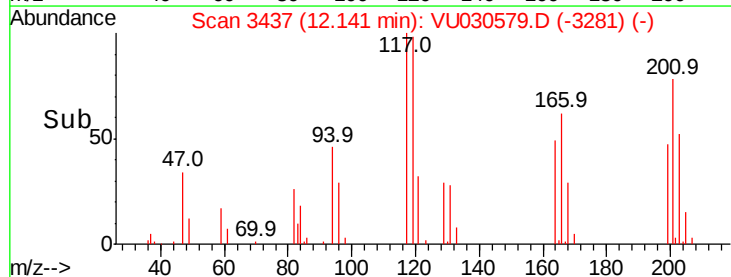
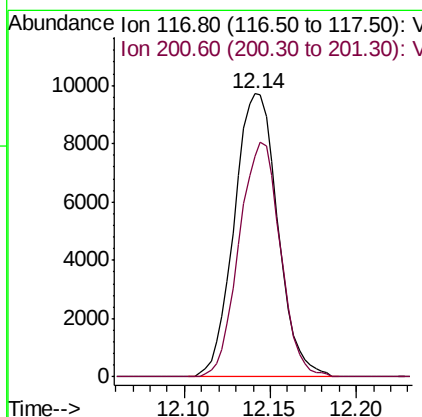
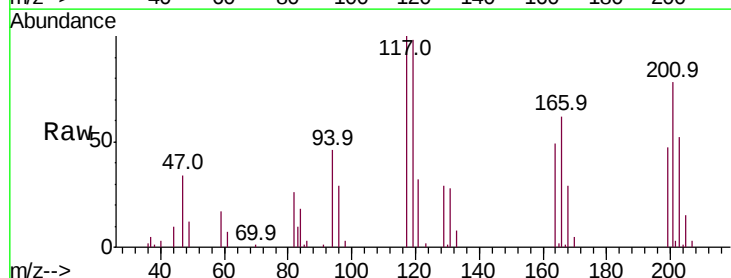
MMDadoda

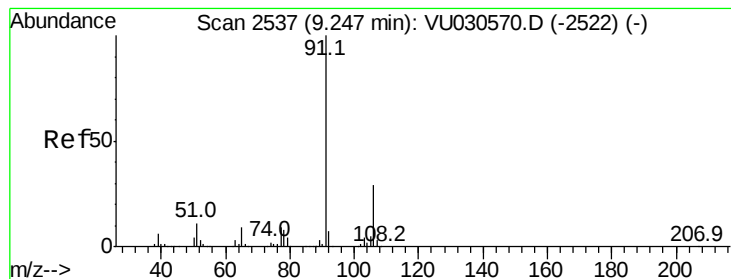
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#62
 Hexachloroethane
 Concen: 1.847 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. 0.00 min
 Lab File: VU030579.D
 Acq: 30 Mar 2019 19:17

Tgt Ion:117 Resp: 17024
 Ion Ratio Lower Upper
 117 100
 201 78.3 59.1 88.7





#63

Ethyl Benzene

Concen: 1.865 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU030579.D

Acq: 30 Mar 2019 19:17

Instrument :

MSVOA_U

ClientSampled :

VU0331WBSD01

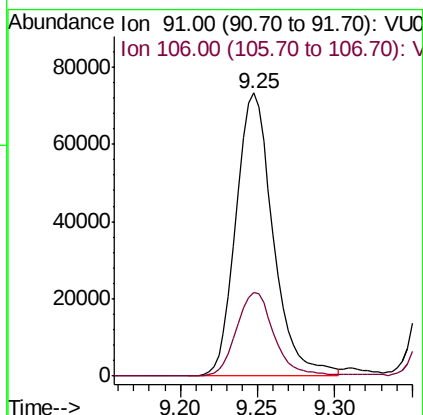
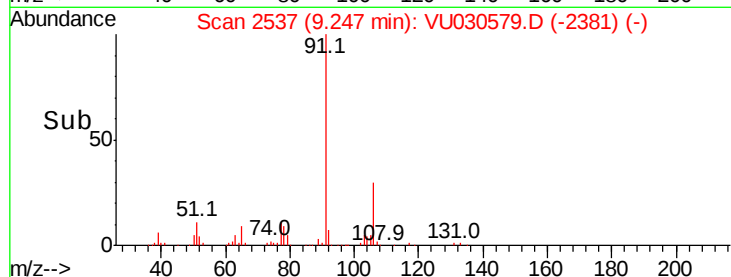
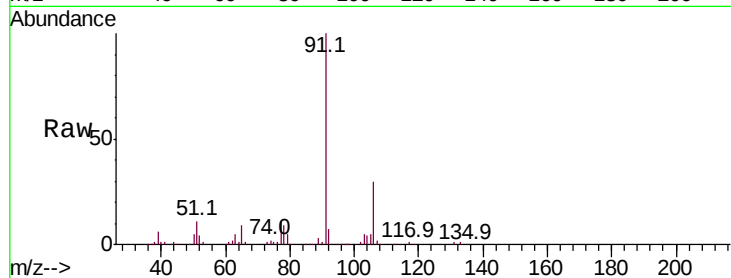
Tot Ion: 91 Resp: 122667

Ion Ratio Lower Upper

91 100

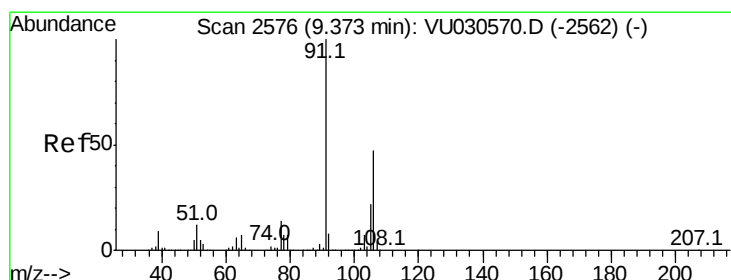
106 29.6 23.1 34.7

Manual Integrations
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#64

m/p-Xylenes

Concen: 3.750 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU030579.D

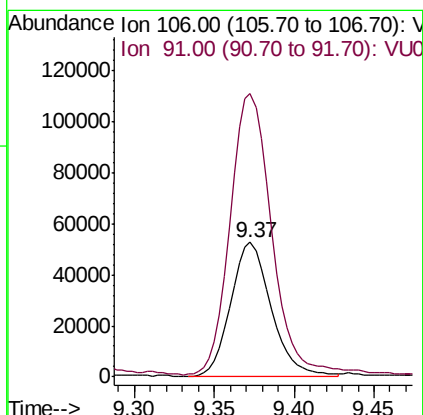
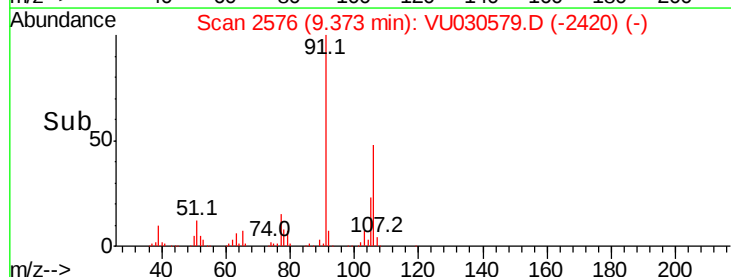
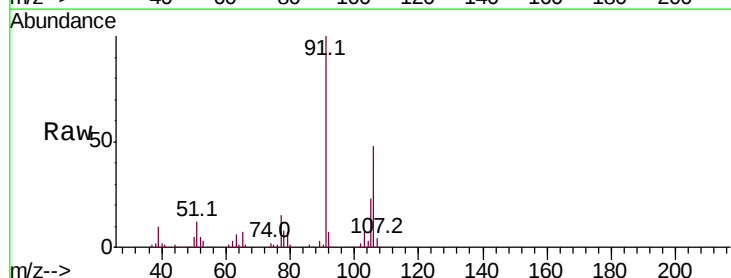
Acq: 30 Mar 2019 19:17

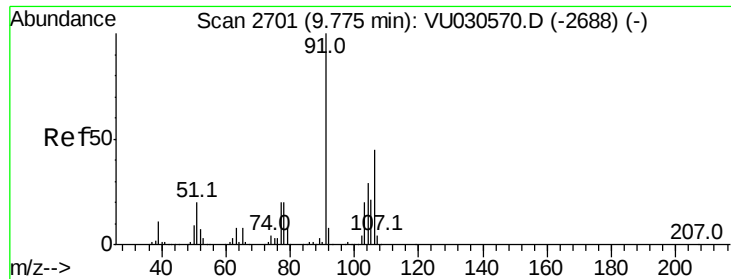
Tgt Ion: 106 Resp: 90240

Ion Ratio Lower Upper

106 100

91 216.7 179.4 269.0



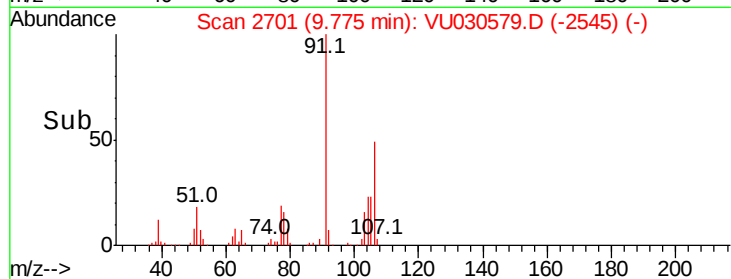
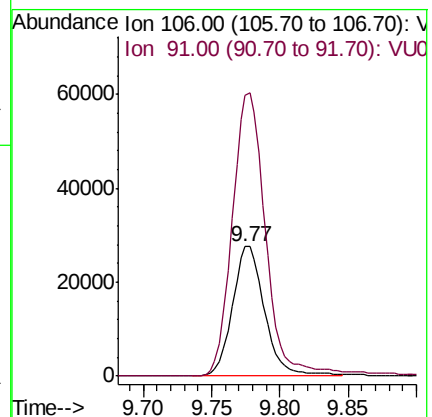
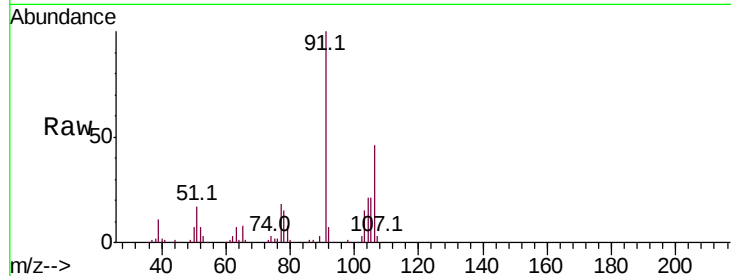


#65
o-Xylene
Concen: 1.965 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Instrument :
MSVOA_U
Client Sample ID :
VU0331WBSD01

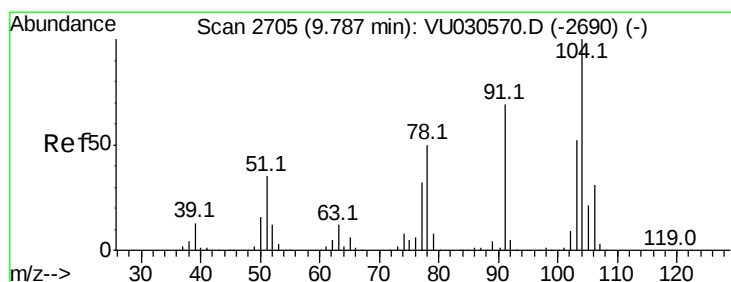
Tot Ion:106 Resp: 45459
Ion Ratio Lower Upper
106 100
91 224.5 115.5 346.4

Manual Integrations
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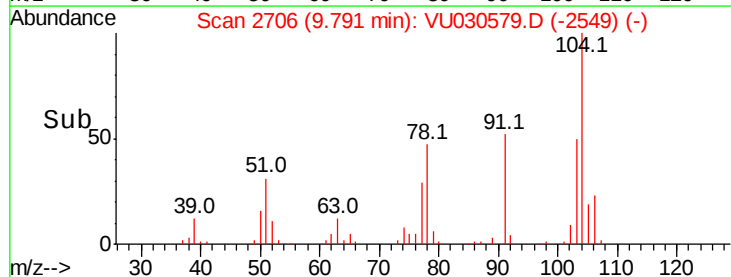
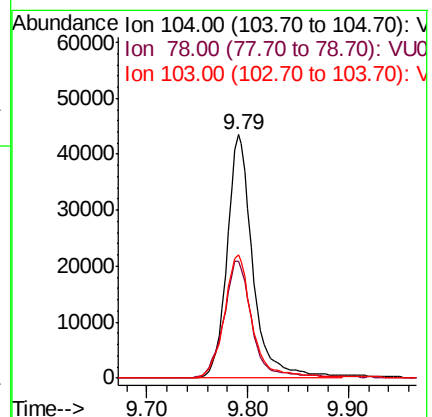
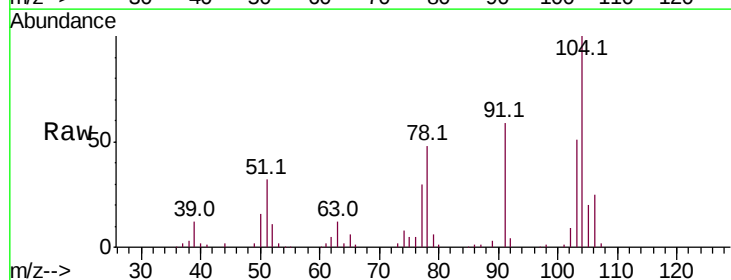
MMDadoda

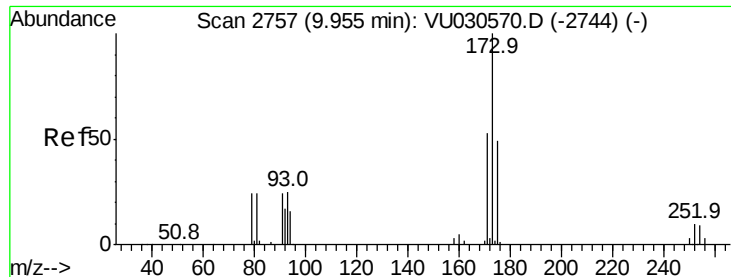
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#66
Styrene
Concen: 1.997 ug/l
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Tgt Ion:104 Resp: 77850
Ion Ratio Lower Upper
104 100
78 51.7 42.3 63.5
103 54.6 44.7 67.1





#67

Bromoform

Concen: 2.153 ug/l

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU030579.D

Acq: 30 Mar 2019 19:17

Instrument :

MSVOA_U

ClientSampleId :

VU0331WBSD01

Tot Ion:173 Resp: 14648

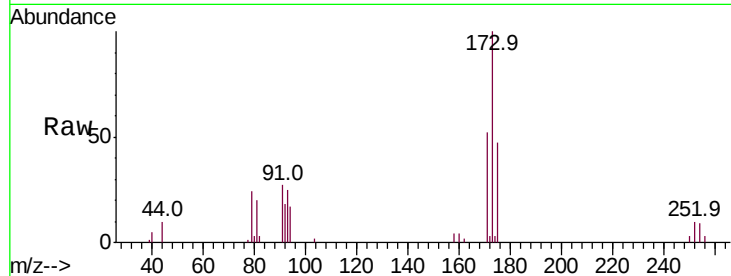
Ion Ratio Lower Upper

173 100

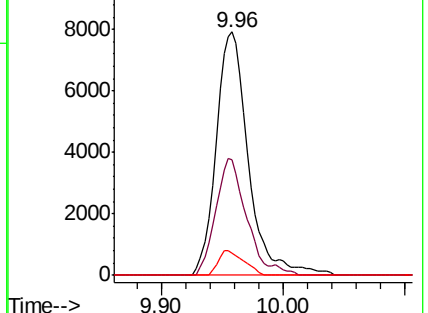
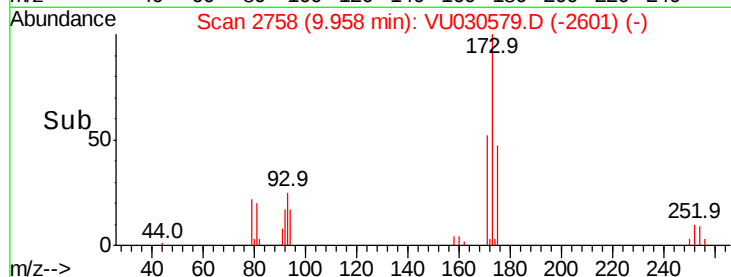
175 46.3 38.6 57.8

254 8.1 6.9 10.3

Manual Integrations
APPROVED

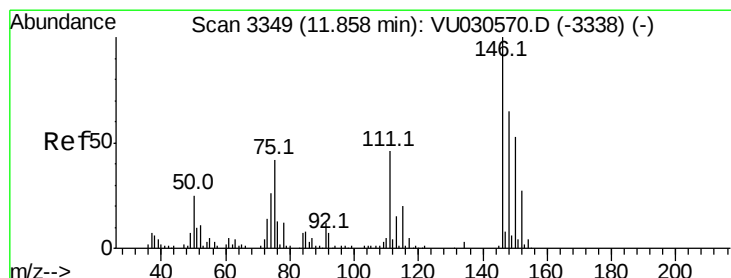


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



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#68

1,2-Dichlorobenzene-d4

Concen: 2.153 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU030579.D

Acq: 30 Mar 2019 19:17

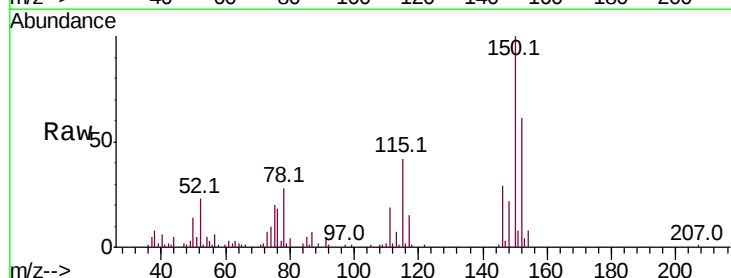
Tgt Ion:152 Resp: 18107

Ion Ratio Lower Upper

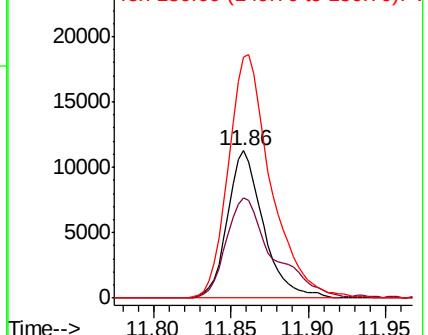
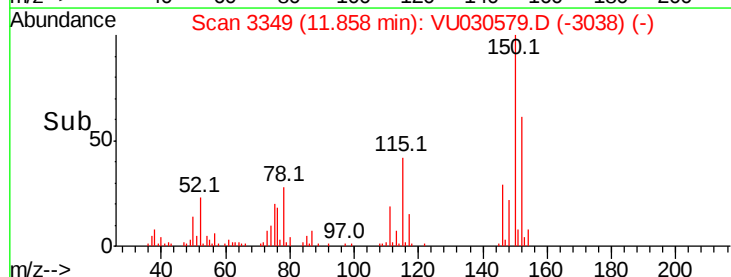
152 100

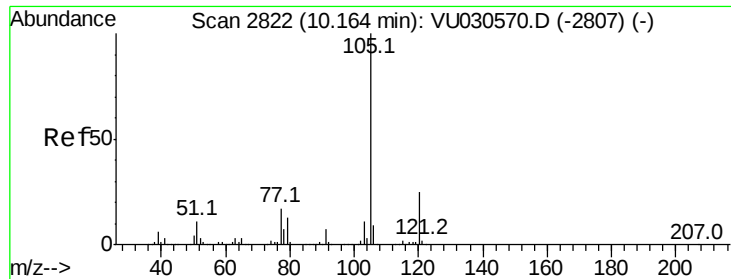
115 88.4 0.0 136.2

150 195.7 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: 1.934 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030579.D

Acq: 30 Mar 2019 19:17

Instrument :

MSVOA_U

ClientSampleId :

VU0331WBSD01

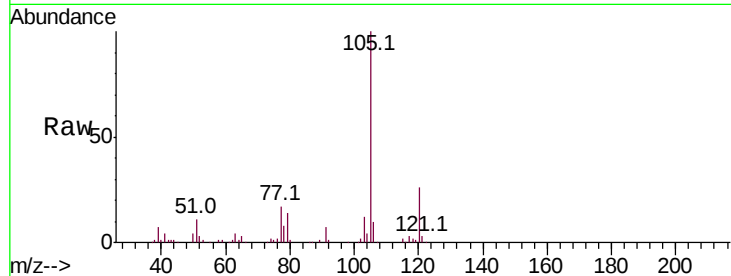
Tot Ion: 105 Resp: 121761

Ion Ratio Lower Upper

105 100

120 24.7 12.6 37.6

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

10.16

80000

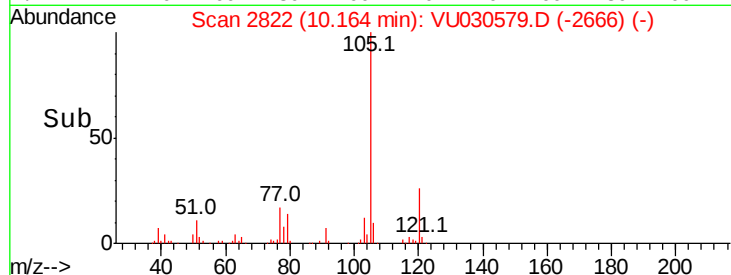
60000

40000

20000

0

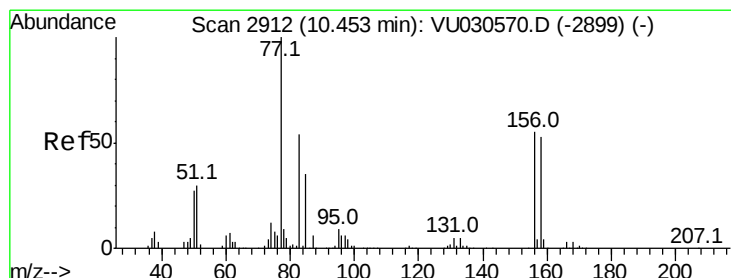
Time-->



10.10 10.20 10.30

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#70

1,1,2,2-Tetrachloroethane

Concen: 2.048 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU030579.D

Acq: 30 Mar 2019 19:17

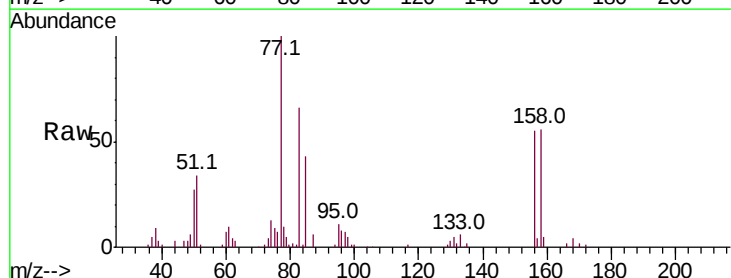
Tgt Ion: 83 Resp: 30719

Ion Ratio Lower Upper

83 100

131 7.6 7.0 10.6

85 64.7 51.0 76.4



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

20000

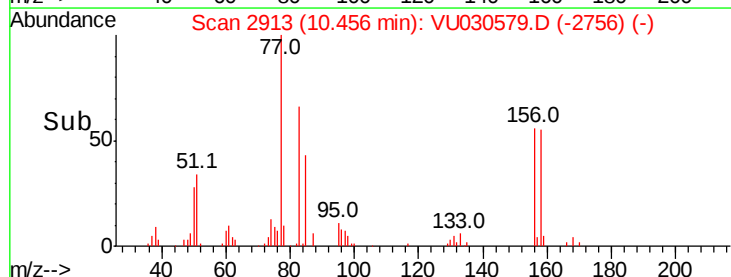
15000

10000

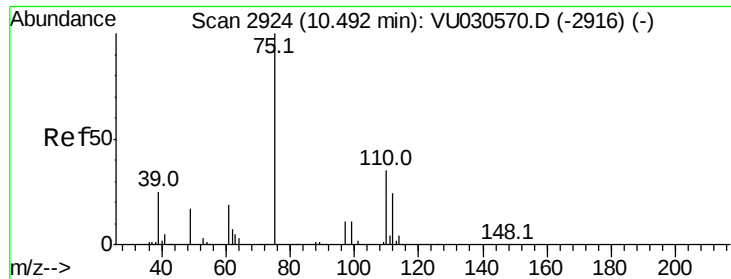
5000

0

Time-->



10.40 10.50



#71

1,2,3-Trichloropropane

Concen: 1.922 ug/l

RT: 10.49 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VU030579.D

Acq: 30 Mar 2019 19:17

Instrument :

MSVOA_U

ClientSampleId :

VU0331WBSD01

Tot Ion: 75 Resp: 18379

Ion Ratio Lower Upper

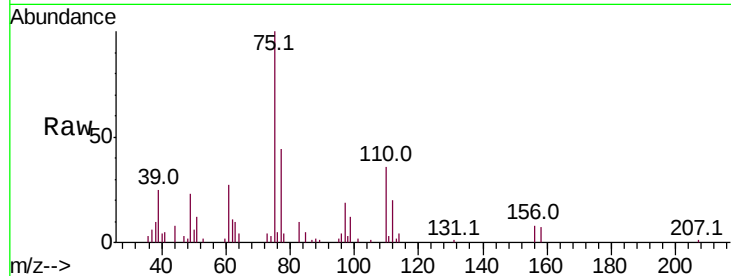
75 100

77 0.0 0.0 0.0

110 40.1 0.0 83.8

97 21.4 0.0 42.8

Manual Integrations
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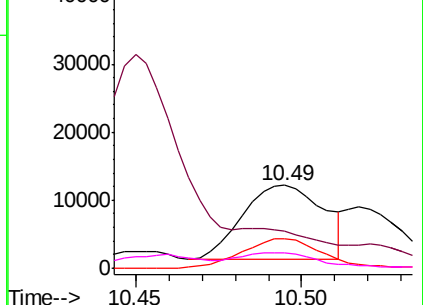
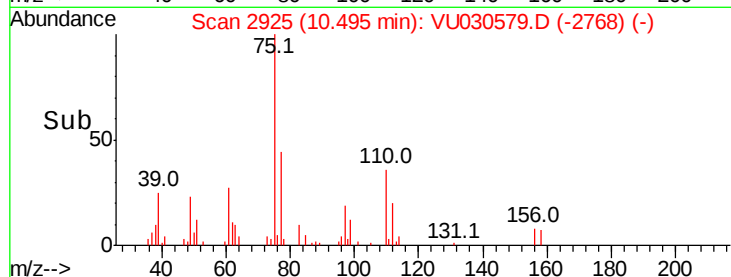


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

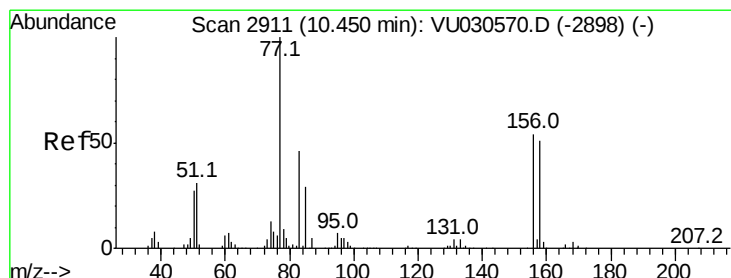
Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



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#72

Bromobenzene

Concen: 2.003 ug/l

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU030579.D

Acq: 30 Mar 2019 19:17

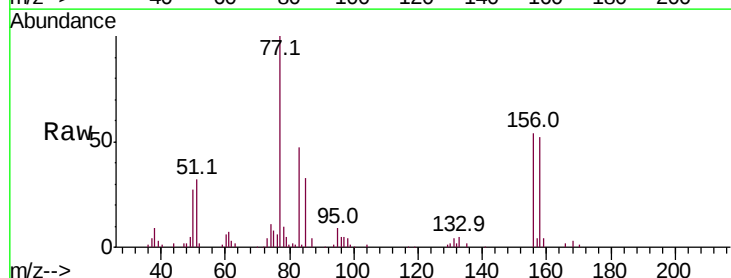
Tgt Ion: 156 Resp: 30250

Ion Ratio Lower Upper

156 100

77 178.0 0.0 363.0

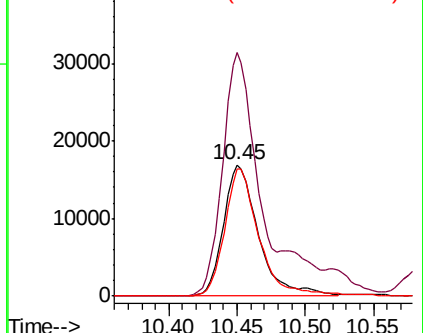
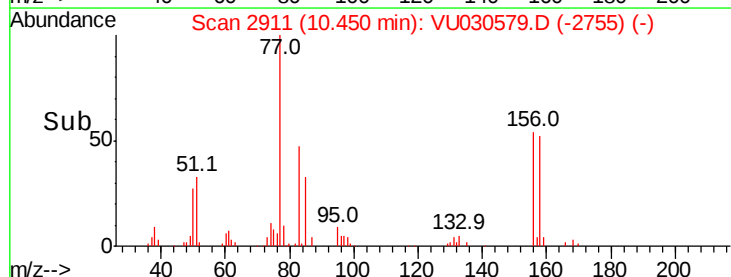
158 94.7 0.0 193.2

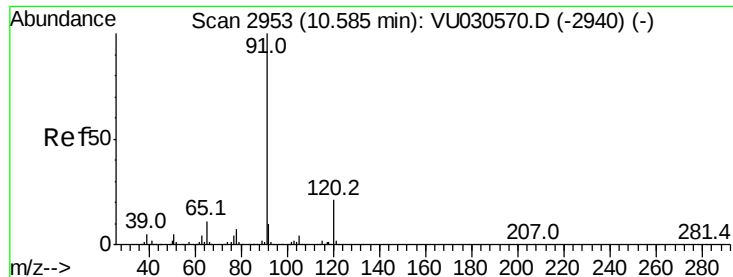


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 1.903 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU030579.D

Acq: 30 Mar 2019 19:17

Instrument :

MSVOA_U

ClientSampleId :

VU0331WBSD01

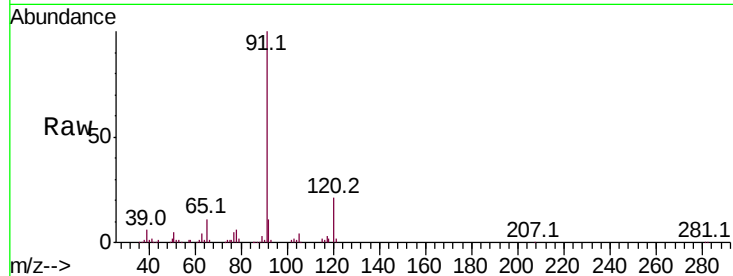
Tot Ion:120 Resp: 30706

Ion Ratio Lower Upper

120 100

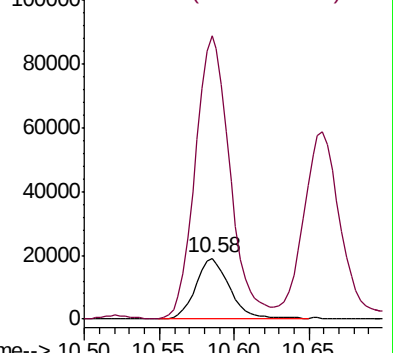
91 466.4 371.6 557.4

Manual Integrations
APPROVED



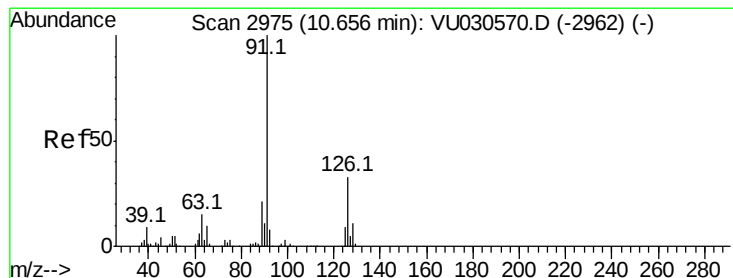
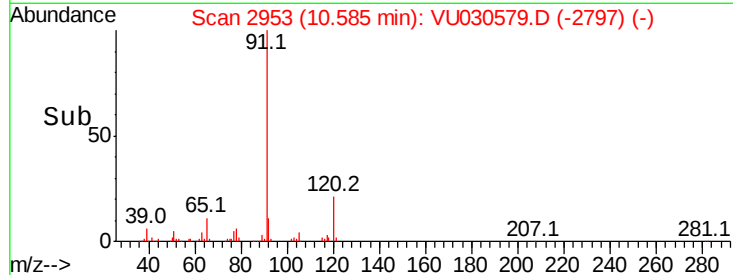
Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



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#74

2-Chlorotoluene

Concen: 1.942 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU030579.D

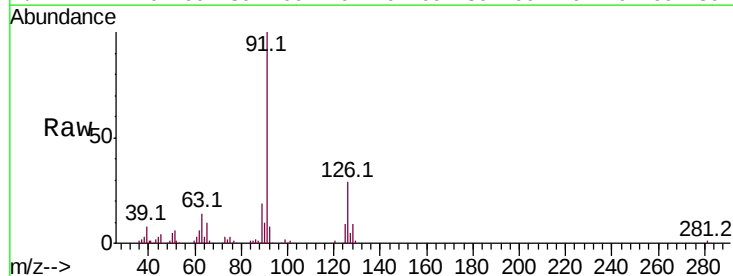
Acq: 30 Mar 2019 19:17

Tgt Ion:126 Resp: 29073

Ion Ratio Lower Upper

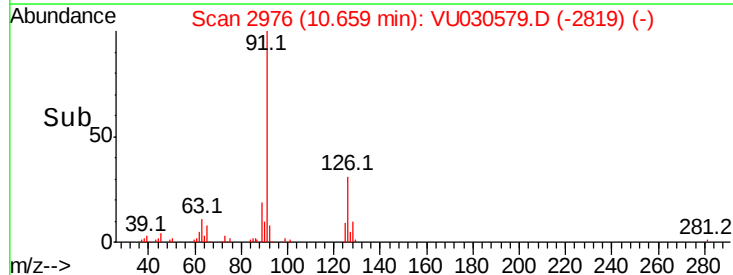
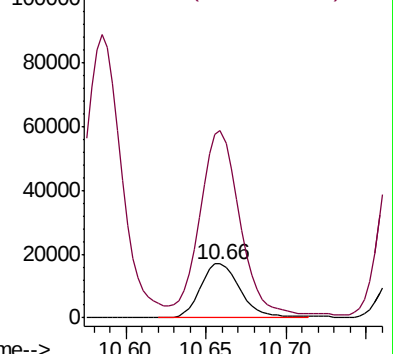
126 100

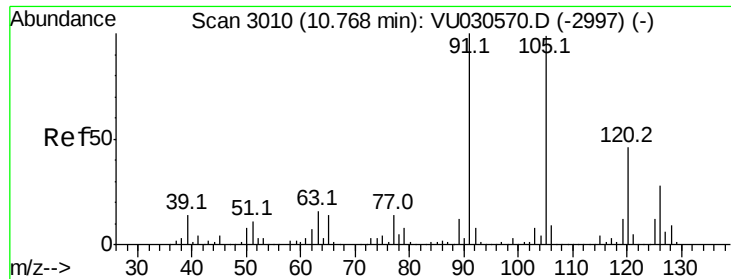
91 335.4 0.0 656.8



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: 1.921 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030579.D

Acq: 30 Mar 2019 19:17

Instrument :

MSVOA_U

ClientSampleId :

VU0331WBSD01

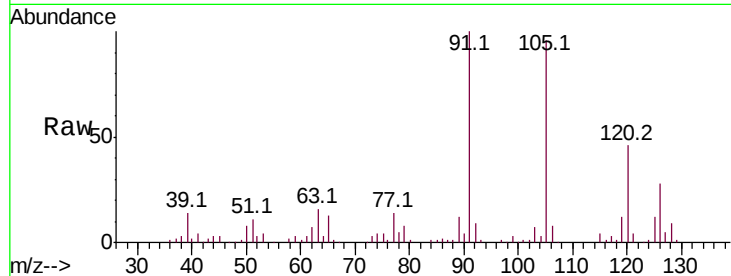
Tot Ion:105 Resp: 101670

Ion Ratio Lower Upper

105 100

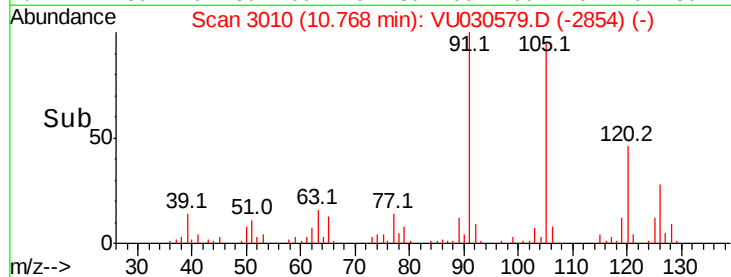
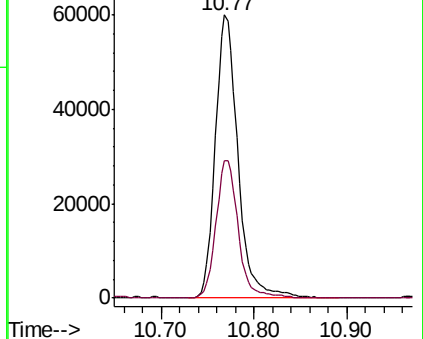
120 48.0 37.6 56.4

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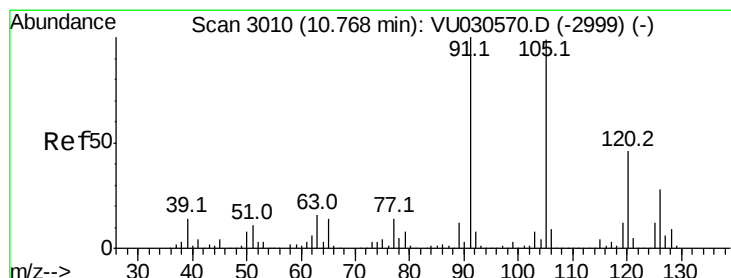
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#76

4-Chlorotoluene

Concen: 1.955 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU030579.D

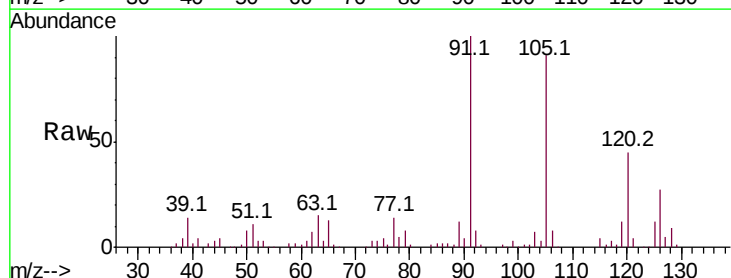
Acq: 30 Mar 2019 19:17

Tgt Ion:126 Resp: 29749

Ion Ratio Lower Upper

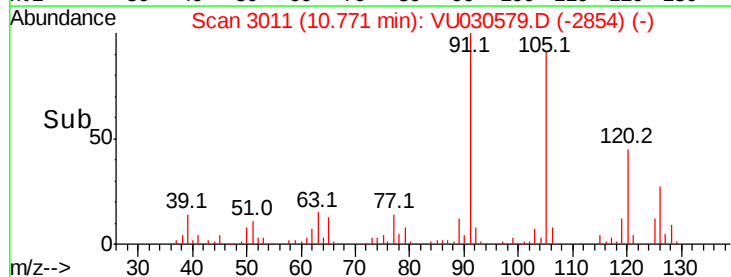
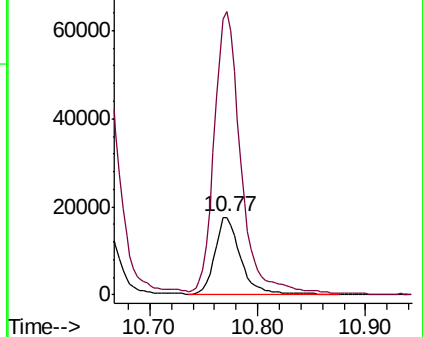
126 100

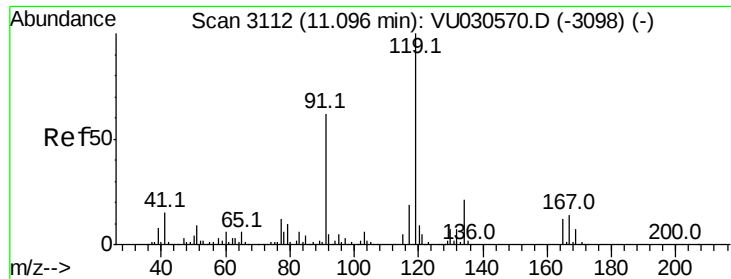
91 368.4 0.0 721.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 1.912 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU030579.D

Acq: 30 Mar 2019 19:17

Instrument :

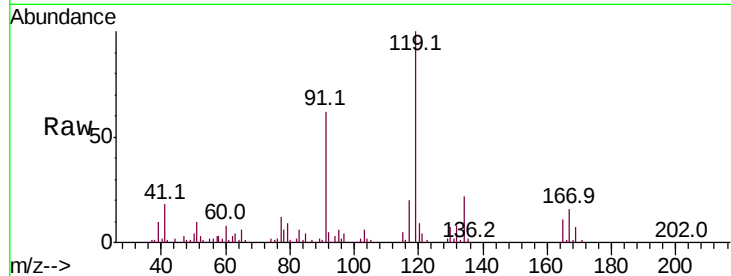
MSVOA_U

ClientSampleId :

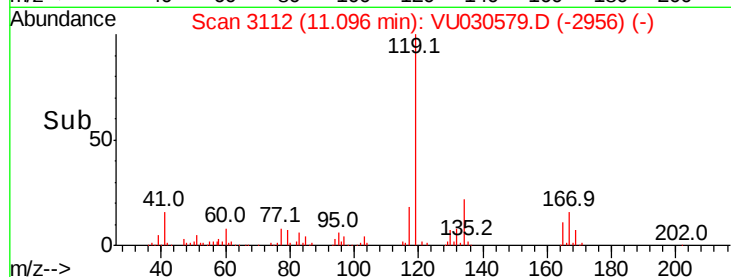
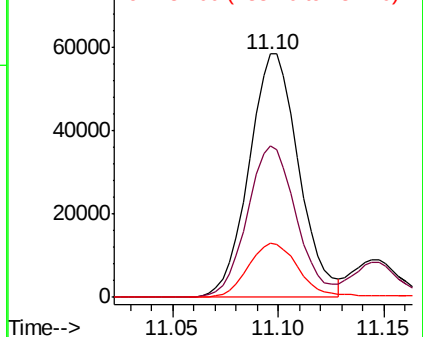
VU0331WBSD01

Tot Ion:	119	Resp:	95847
Ion Ratio	Lower	Upper	
119	100		
91	61.2	30.9	92.8
134	22.7	17.6	26.4

Manual Integrations
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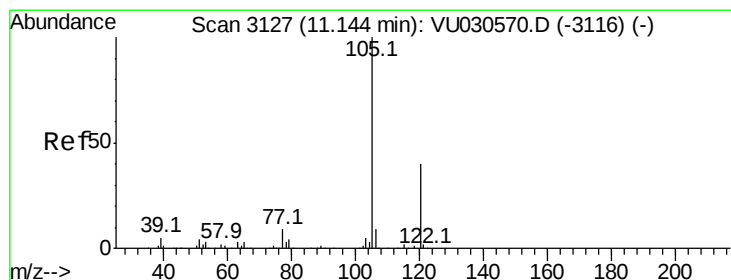


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VU
Ion 134.00 (133.70 to 134.70): V



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#78

1,2,4-Trimethylbenzene

Concen: 1.889 ug/l

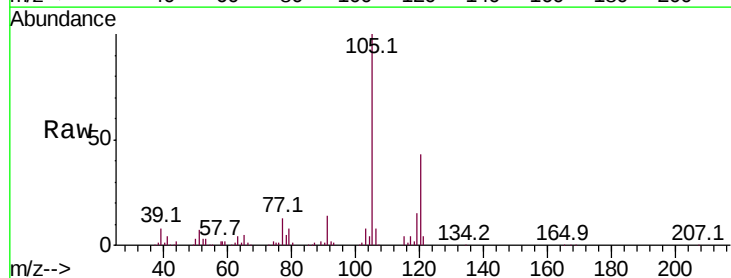
RT: 11.15 min Scan# 3128

Delta R.T. 0.00 min

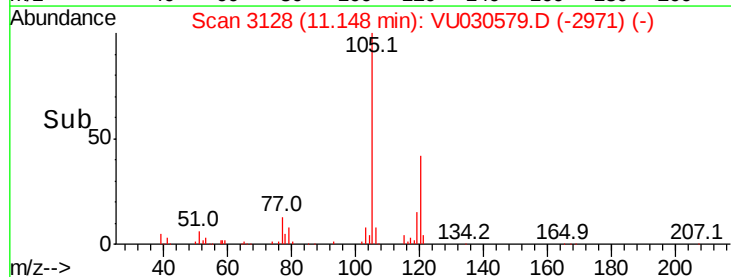
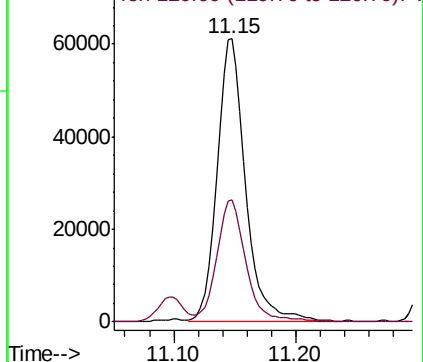
Lab File: VU030579.D

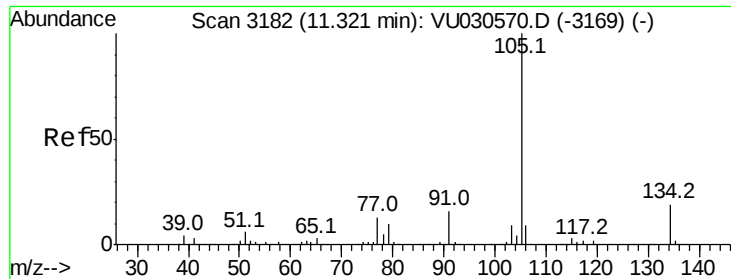
Acq: 30 Mar 2019 19:17

Tgt Ion:	105	Resp:	99120
Ion Ratio	Lower	Upper	
105	100		
120	45.0	22.1	66.5



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



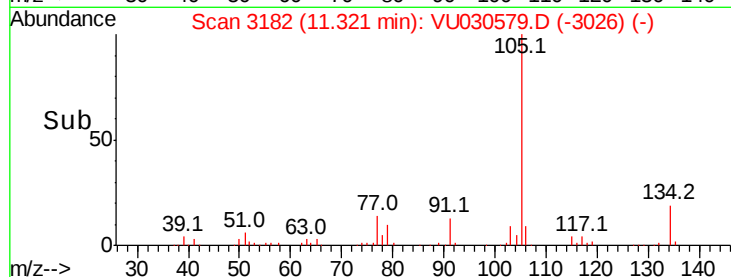
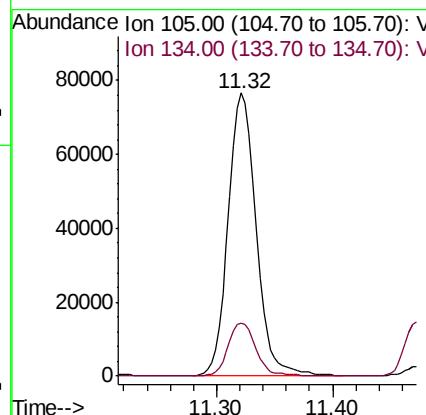
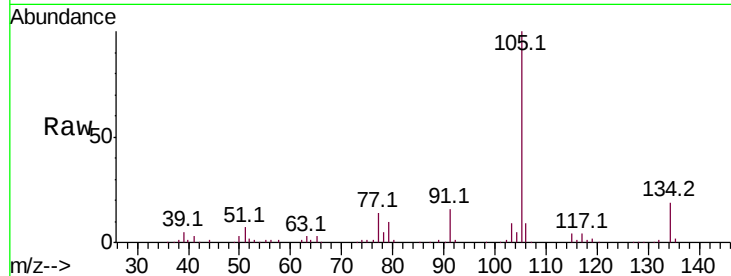


#79
 sec-Butylbenzene
 Concen: 1.865 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VU030579.D
 Acq: 30 Mar 2019 19:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0331WBSD01

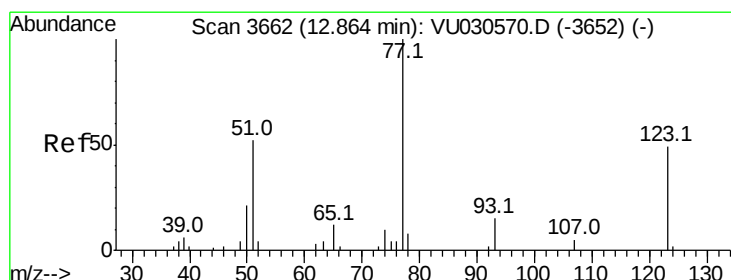
Tot Ion: 105 Resp: 127026
 Ion Ratio Lower Upper
 105 100
 134 18.9 14.7 22.1

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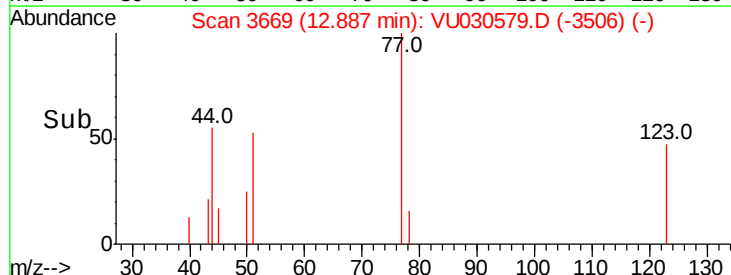
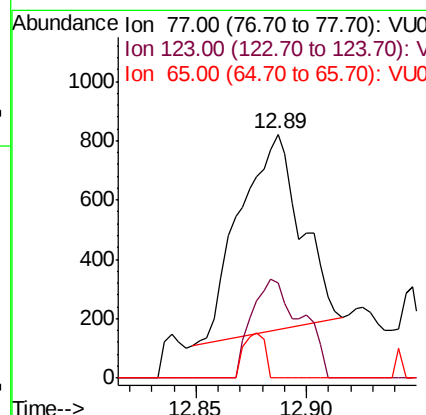
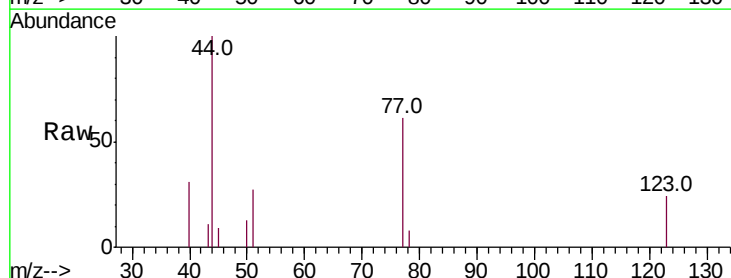
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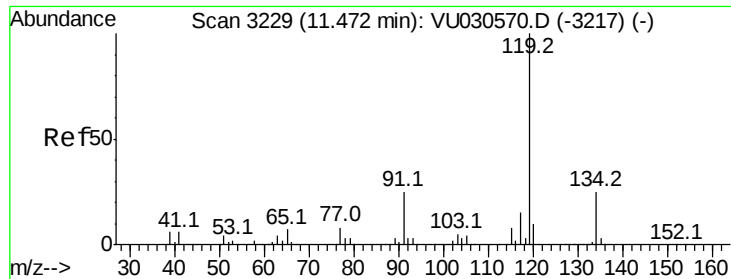
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#80
 Nitrobenzene
 Concen: 6.266 ug/l
 RT: 12.89 min Scan# 3669
 Delta R.T. 0.02 min
 Lab File: VU030579.D
 Acq: 30 Mar 2019 19:17

Tgt Ion: 77 Resp: 1266
 Ion Ratio Lower Upper
 77 100
 123 41.2 17.5 62.1
 65 8.1 8.1 10.3#



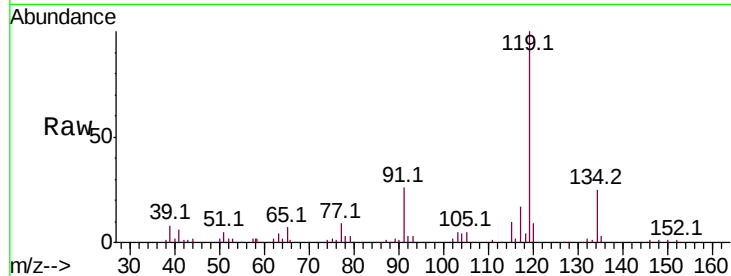


#81
p-Isopropyltoluene
Concen: 1.854 ug/l
RT: 11.47 min Scan# 3229
Delta R.T. 0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Instrument :
MSVOA_U
ClientSampleId :
VU0331WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	97010		
134	25.1		20.6	31.0
91	26.0		20.4	30.6

Manual Integrations
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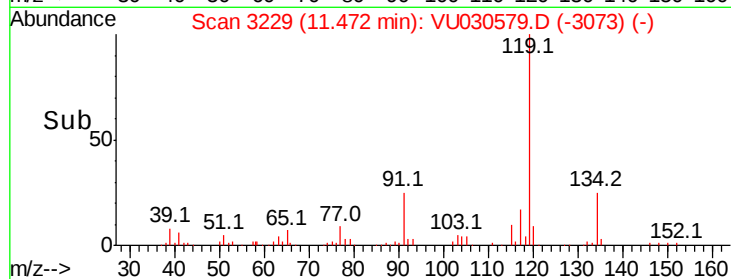
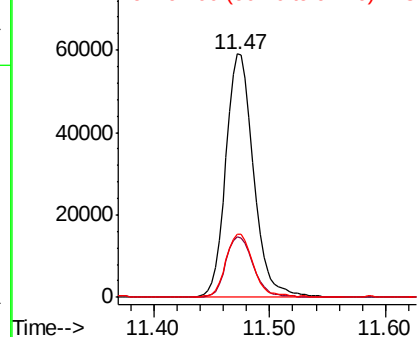


Abundance

Ion 119.00 (118.70 to 119.70): V

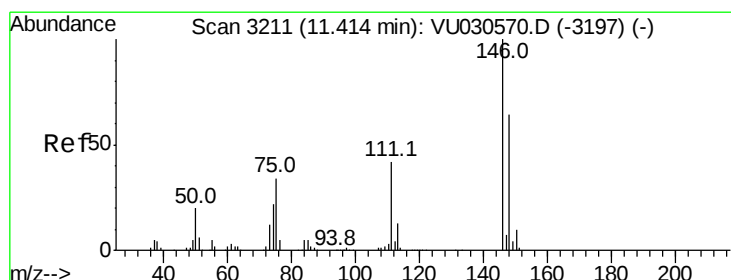
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



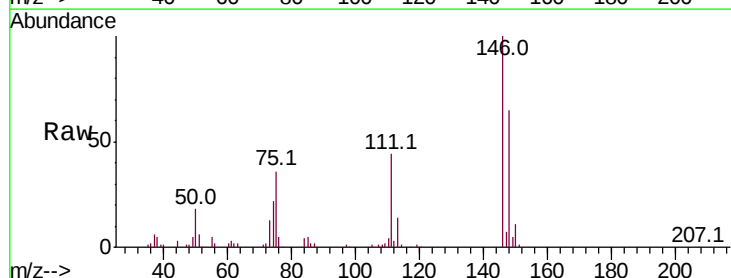
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#82
1,3-Dichlorobenzene
Concen: 1.986 ug/l
RT: 11.41 min Scan# 3211
Delta R.T. 0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	59937		
111	43.3		34.0	51.0
148	65.3		51.0	76.6

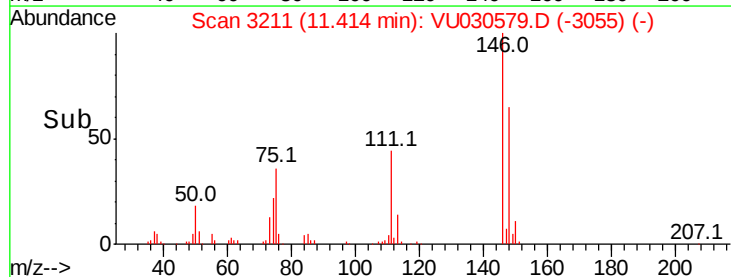
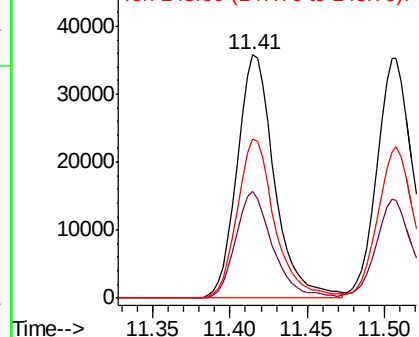


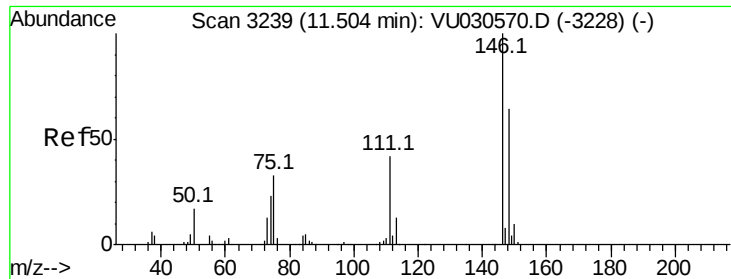
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



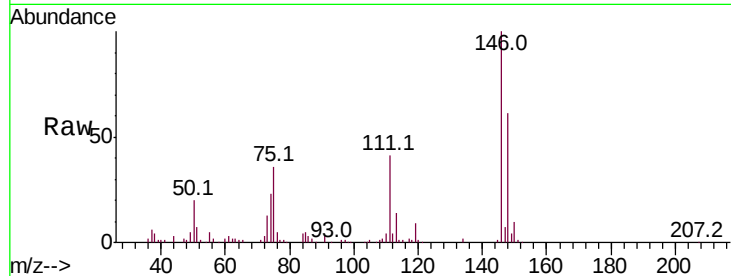


#83
1,4-Dichlorobenzene
Concen: 1.992 ug/l
RT: 11.50 min Scan# 3239
Delta R.T. 0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

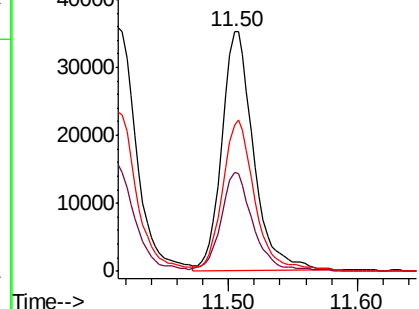
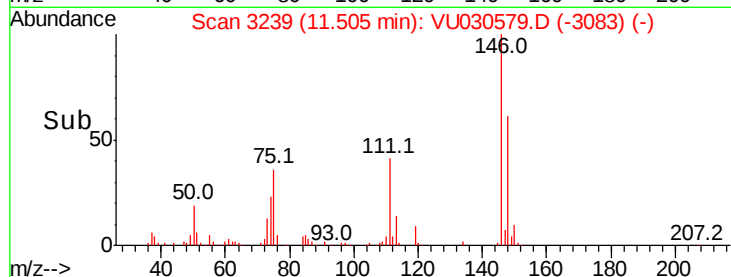
Instrument :
MSVOA_U
ClientSampleId :
VU0331WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	32.8	49.2
148	64.6	50.5	75.7

Manual Integrations
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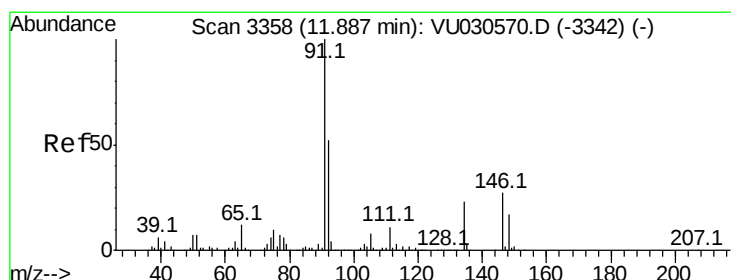


Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



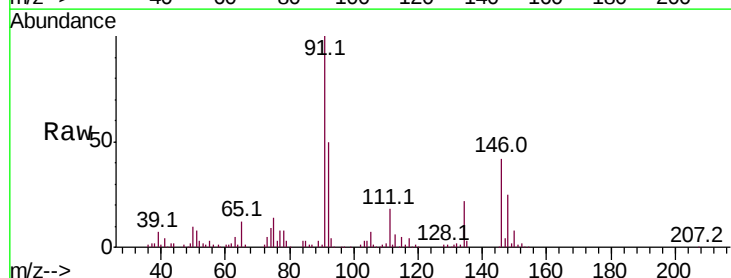
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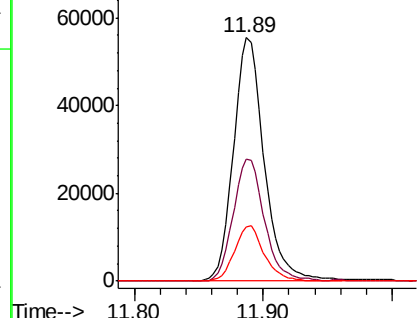
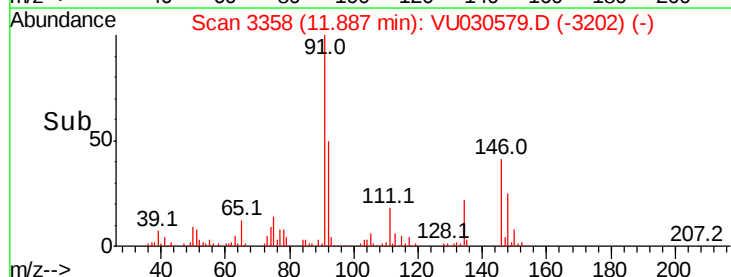


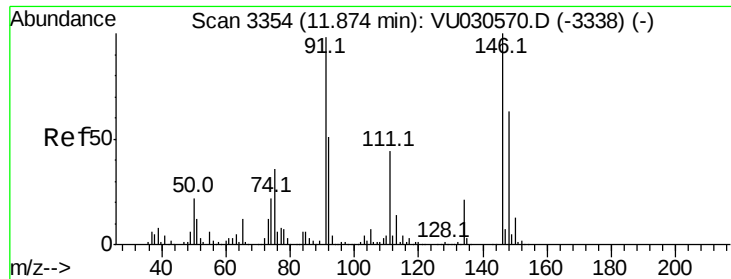
#84
n-Butylbenzene
Concen: 1.813 ug/l
RT: 11.89 min Scan# 3358
Delta R.T. 0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.5	41.7	62.5
134	22.1	18.3	27.5



Abundance Ion 91.00 (90.70 to 91.70): VU
Ion 92.00 (91.70 to 92.70): VU
Ion 134.00 (133.70 to 134.70): V



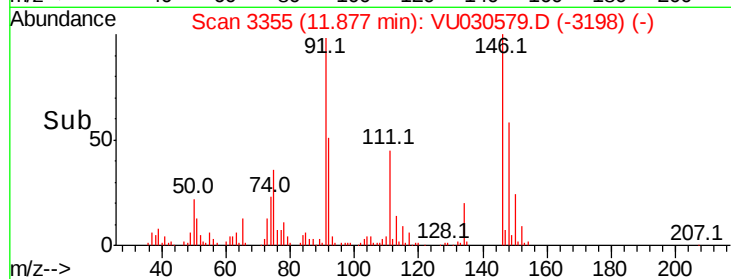
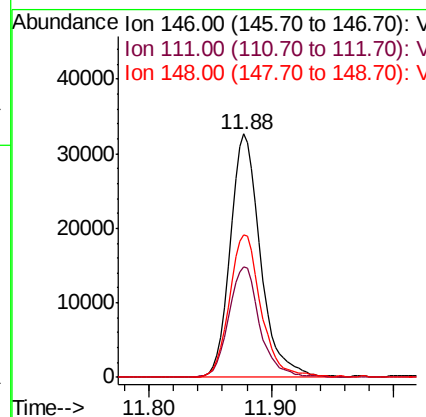
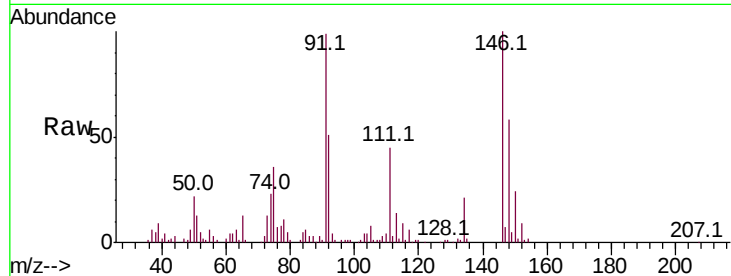


#85
 1,2-Dichlorobenzene
 Concen: 2.001 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030579.D
 Acq: 30 Mar 2019 19:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0331WBSD01

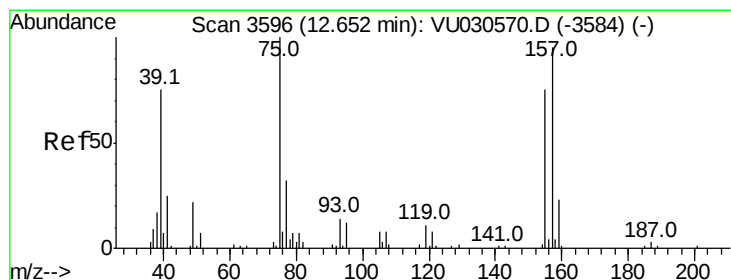
Tot Ion	Ratio	Lower	Upper
146	100		
111	46.8	21.9	65.5
148	61.0	31.5	94.5

Manual Integrations
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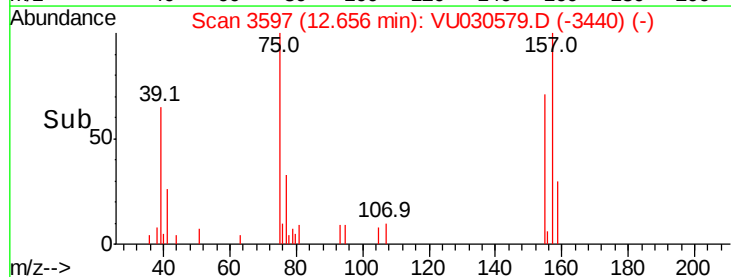
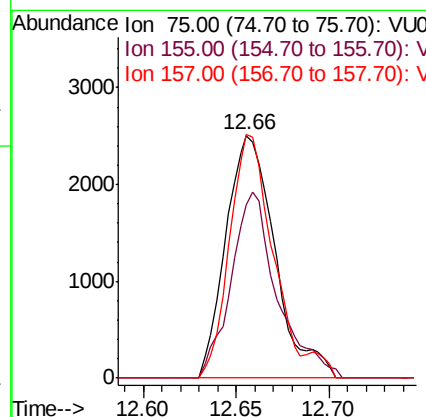
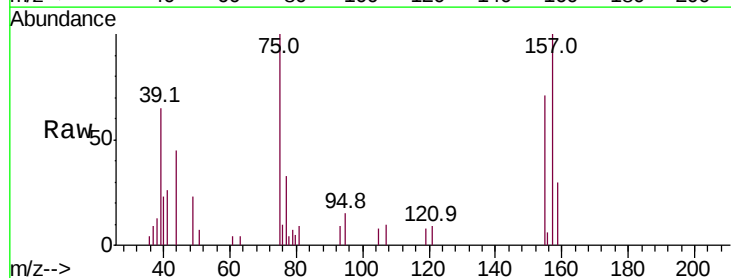
MMDadoda

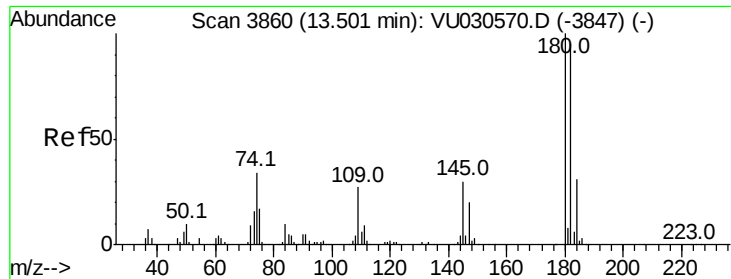
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 2.095 ug/l
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU030579.D
 Acq: 30 Mar 2019 19:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.8	59.7	89.5
157	87.3	73.7	110.5



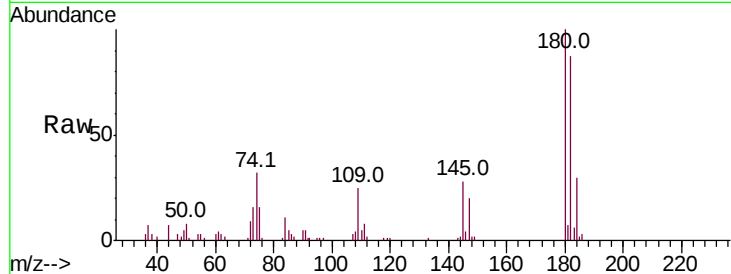


#87
 1,2,4-Trichlorobenzene
 Concen: 1.844 ug/l
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.00 min
 Lab File: VU030579.D
 Acq: 30 Mar 2019 19:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0331WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.9	76.0	114.0
145	30.7	24.3	36.5

Manual Integrations
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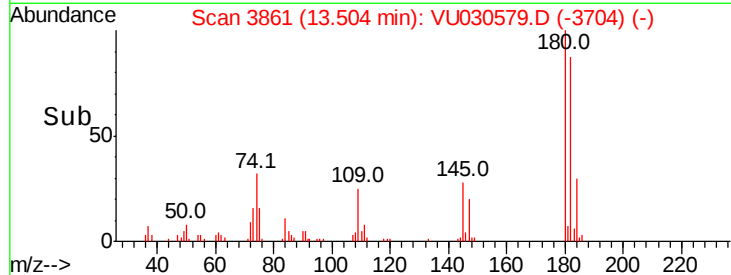
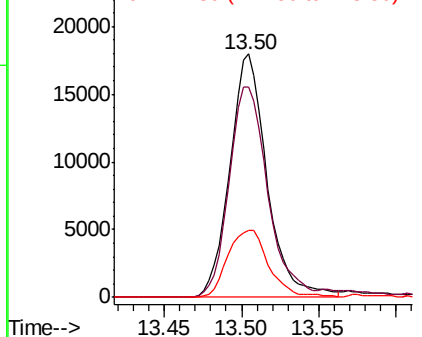


Abundance

Ion 179.70 (179.40 to 180.40): V

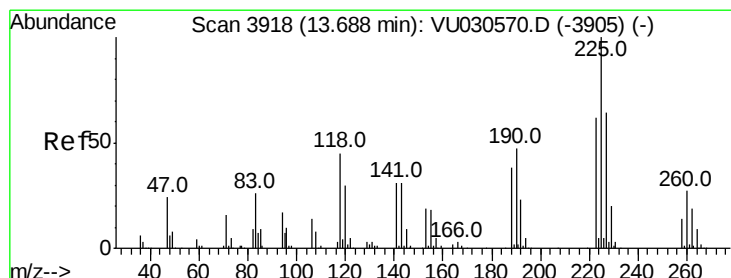
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



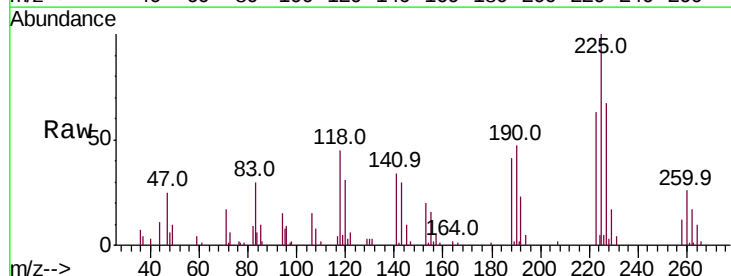
MMDadoda

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#88
 Hexachlorobutadiene
 Concen: 1.909 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: VU030579.D
 Acq: 30 Mar 2019 19:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	50.7	76.1
227	67.3	50.8	76.2

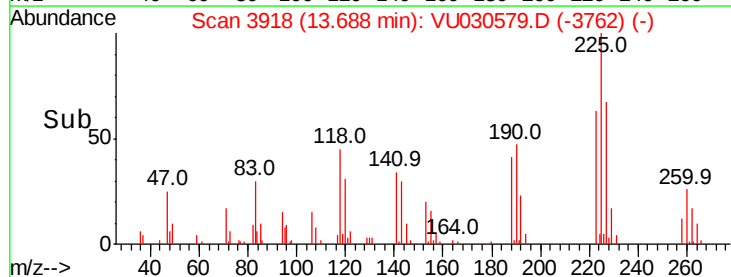
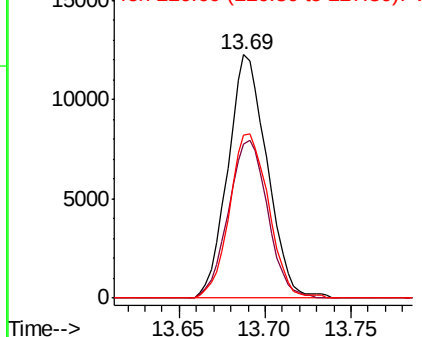


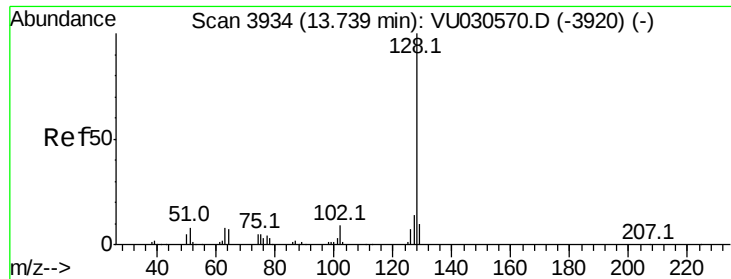
Abundance

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



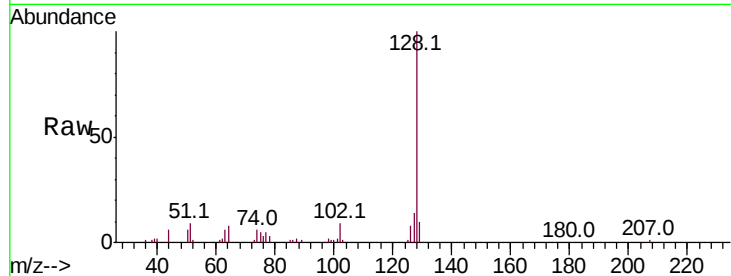


#89
Naphthalene
Concen: 1.693 ug/l
RT: 13.75 min Scan# 3936
Delta R.T. 0.01 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

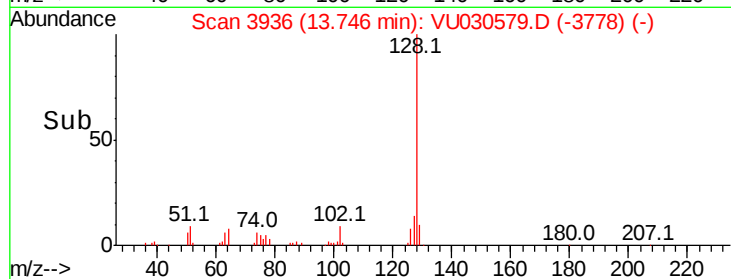
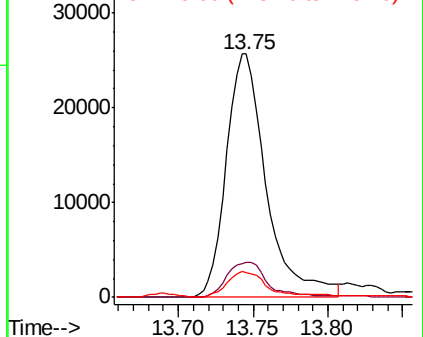
Instrument :
MSVOA_U
ClientSampleId :
VU0331WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.9	10.4	15.6
129	10.6	7.8	11.8

Manual Integrations
APPROVED

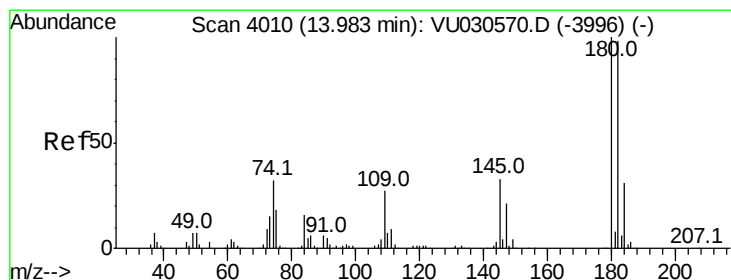


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



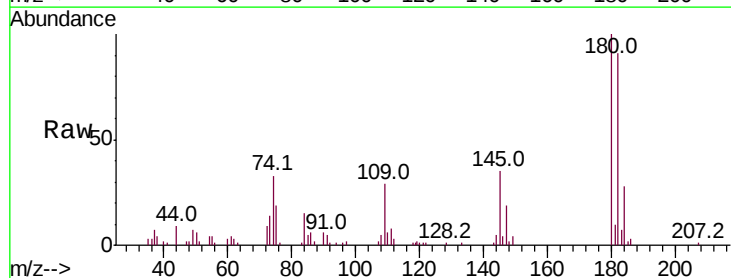
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#90
1,2,3-Trichlorobenzene
Concen: 1.927 ug/l
RT: 13.99 min Scan# 4011
Delta R.T. 0.00 min
Lab File: VU030579.D
Acq: 30 Mar 2019 19:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.6	114.8
145	33.6	25.9	38.9



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

