

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033119\
 Data File : VU030578.D
 Acq On : 30 Mar 2019 18:49
 Operator : JC/SP
 Sample : VU0331WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0331WBS01

Manual Integrations
 APPROVED

Quant Time: Mar 31 01:43:05 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	50012	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	19623	1.03	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	18300	1.03	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.00%	

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Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	40182	1.910	ug/l 97
3) Chloromethane	1.33	50	49455	1.820	ug/l 97
4) Vinyl Chloride	1.40	62	44638	1.901	ug/l 99
5) Bromomethane	1.63	94	16141	1.594	ug/l 89
6) Chloroethane	1.70	64	25543	1.886	ug/l 99
7) Trichlorofluoromethane	1.88	101	49406	1.915	ug/l 98
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	24373	1.860	ug/l 97
9) 1,1-Dichloroethene	2.28	96	25870	1.962	ug/l 91
10) Iodomethane	2.41	142	5436	0.895	ug/l 99
11) Allyl Chloride	2.59	41	54053	1.881	ug/l 97
12) Acrylonitrile	2.94	53	15062	4.021	ug/l 96
13) Acetone	2.32	43	31612	9.009	ug/l 93
14) Carbon Disulfide	2.47	76	90419	1.877	ug/l 99
15) Methylene Chloride	2.69	84	32487	1.942	ug/l 98
16) trans-1,2-Dichloroethene	2.97	96	28876	1.938	ug/l 98
17) 1,1-Dichloroethane	3.44	63	61550	2.035	ug/l 98
18) 2-Butanone	4.28	43	45301	9.986	ug/l 98
19) Cyclohexane	4.98	56	47532m	1.863	ug/l
20) Methylcyclohexane	6.41	83	38715	1.729	ug/l 99
21) 2,2-Dichloropropane	4.22	77	39099	1.682	ug/l 99
22) cis-1,2-Dichloroethene	4.22	96	31519	1.970	ug/l 93
23) Diethyl Ether	2.10	59	25090	2.002	ug/l 97
24) tert-Butyl Alcohol	2.85	59	28289	21.803	ug/l 99
25) Methyl tert-Butyl Ether	3.00	73	78498	2.056	ug/l 99
26) Bromochloromethane	4.54	128	11970	1.911	ug/l 94
27) Chloroform	4.67	83	56719	2.007	ug/l 100
28) 1,1,1-Trichloroethane	4.91	97	44560	1.910	ug/l 97
29) 1,1-Dichloropropene	5.13	75	38651	1.847	ug/l 98
30) Carbon Tetrachloride	5.13	117	38185	1.961	ug/l 98
31) Isopropyl Ether	3.58	45	97984	1.945	ug/l 99
32) Ethyl-t-butyl ether	4.07	59	76257	1.900	ug/l 99
33) Tert-Amyl methyl ether	5.58	73	60961	1.897	ug/l 99
34) Propionitrile	4.35	54	12545	10.172	ug/l # 71
35) Benzene	5.38	78	120769	1.952	ug/l 99
36) 1,2-Dichloroethane	5.40	62	36802	1.947	ug/l 98
37) Trichloroethene	6.18	130	28335	1.909	ug/l 93
38) 1,2-Dichloropropane	6.43	63	33998	1.984	ug/l 98
39) Methacrylonitrile	4.56	41	9857	1.772	ug/l 92
40) Methyl acrylate	4.44	55	14509	1.907	ug/l # 80
41) Tetrahydrofuran	4.66	42	12025	3.810	ug/l 98
42) 1-Chlorobutane	5.06	56	57778	1.845	ug/l 97

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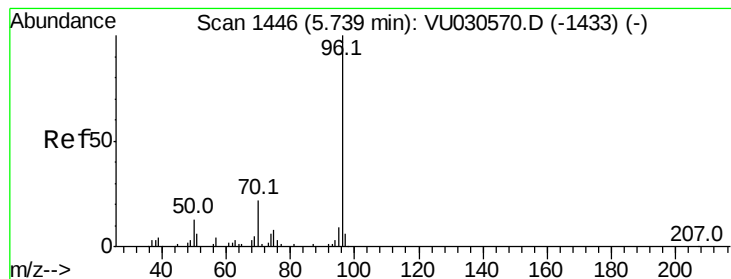
Manual Integrations
 APPROVED

Quant Time: Mar 31 01:43:05 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	15924	2.049	ug/l	97
44) Bromodichloromethane	6.76	83	40361	1.962	ug/l #	98
45) 4-Methyl-2-Pentanone	7.47	43	101841	9.530	ug/l	97
46) t-1,4-Dichloro-2-butene	10.52	75	12141m	3.540	ug/l	
47) Methyl methacrylate	6.63	69	27023	4.100	ug/l	97
48) Ethyl methacrylate	8.02	69	23275	1.801	ug/l	94 MMDadoda
49) Toluene	7.63	92	62747	1.851	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	31980	1.856	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	39123	1.825	ug/l	95
52) 1,1,2-Trichloroethane	8.07	97	20968	1.980	ug/l	92
53) 1,3-Dichloropropane	8.24	76	37756	1.949	ug/l	98 4/5/2019 2:38:58 PM
54) 2-Hexanone	8.37	43	66341	9.192	ug/l	96
55) Dibromochloromethane	8.47	129	24982	2.035	ug/l	97
56) 1,2-Dibromoethane	8.59	107	20149	2.051	ug/l	95
58) Tetrachloroethene	8.22	164	25939	1.954	ug/l	98
59) Chlorobenzene	9.12	112	71570	1.953	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	26320	1.939	ug/l	96
61) Pentachloroethane	11.10	117	20360	1.944	ug/l	98
62) Hexachloroethane	12.14	117	16809	1.844	ug/l	98
63) Ethyl Benzene	9.25	91	114069	1.754	ug/l	96
64) m/p-Xylenes	9.37	106	83846	3.524	ug/l	100
65) o-Xylene	9.78	106	43462	1.900	ug/l	96
66) Styrene	9.79	104	73688	1.911	ug/l	99
67) Bromoform	9.95	173	14171	2.107	ug/l #	98
69) Isopropylbenzene	10.16	105	113704	1.827	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	30405	2.051	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	18199	1.925	ug/l #	95
72) Bromobenzene	10.45	156	28487	1.908	ug/l	98
73) n-propylbenzene	10.58	120	27703	1.737	ug/l	96
74) 2-Chlorotoluene	10.66	126	29412	1.988	ug/l	89
75) 1,3,5-Trimethylbenzene	10.77	105	96466	1.844	ug/l	99
76) 4-Chlorotoluene	10.77	126	25979	1.727	ug/l	89
77) tert-Butylbenzene	11.10	119	90340	1.823	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	92598	1.785	ug/l	97
79) sec-Butylbenzene	11.32	105	121289	1.801	ug/l	98
80) Nitrobenzene	12.88	77	932	4.665	ug/l #	85
81) p-Isopropyltoluene	11.48	119	92073	1.780	ug/l	96
82) 1,3-Dichlorobenzene	11.41	146	57317	1.921	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	56171	1.878	ug/l	99
84) n-Butylbenzene	11.89	91	82755	1.654	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	54430	1.938	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	4273	1.965	ug/l	97
87) 1,2,4-Trichlorobenzene	13.50	180	26886	1.677	ug/l	97
88) Hexachlorobutadiene	13.69	225	17845	1.765	ug/l	95
89) Naphthalene	13.75	128	38522	1.376	ug/l	96
90) 1,2,3-Trichlorobenzene	13.99	180	25253	1.660	ug/l	94

(#) = 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: VU030578.D

Acq: 30 Mar 2019 18:49

Instrument :

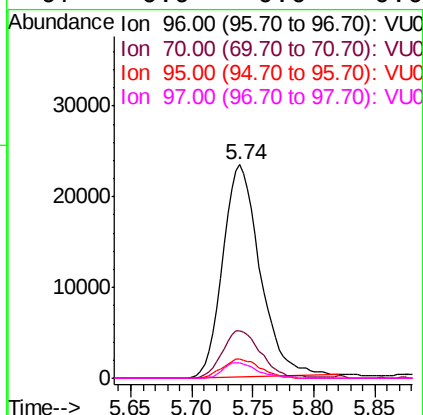
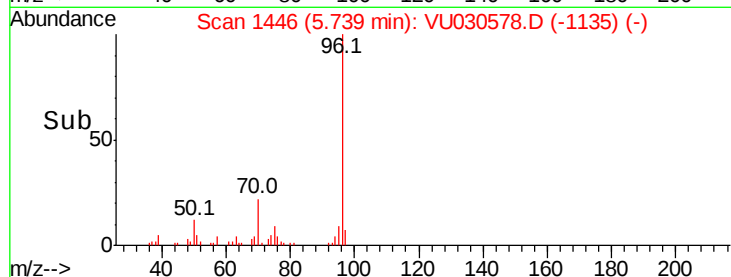
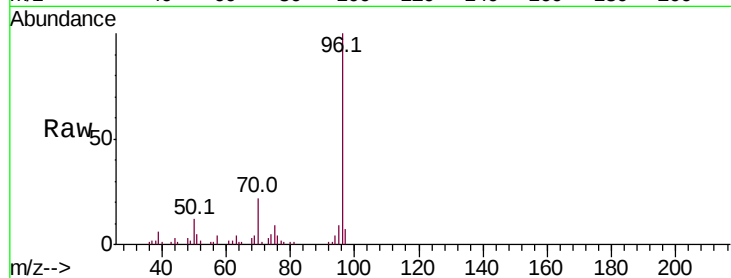
MSVOA_U

ClientSampleId :

VU0331WBS01

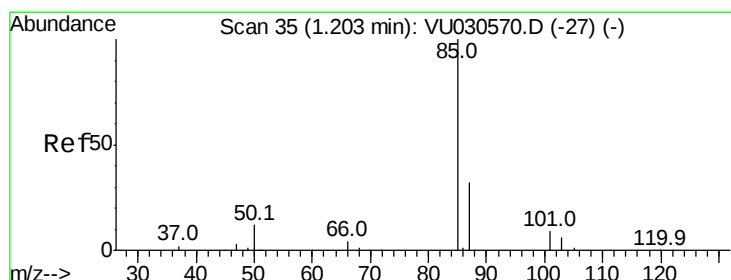
Tot Ion	96	Resp	50012
Ion	Ratio	Lower	Upper
96	100		
70	22.6	15.6	23.4
95	8.9	7.3	10.9
97	6.9	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 1.910 ug/l

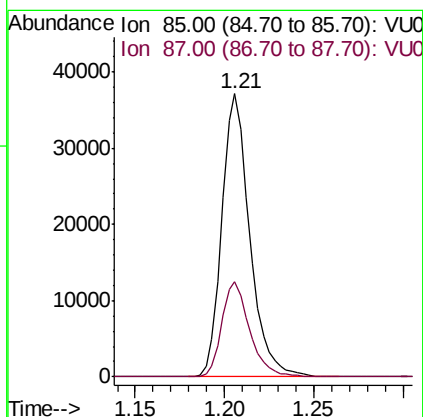
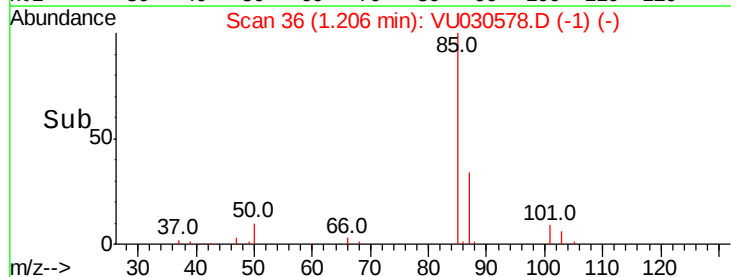
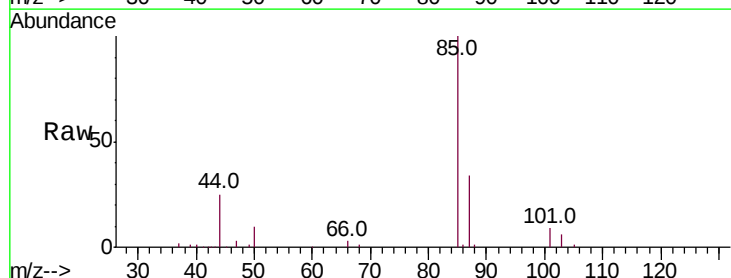
RT: 1.21 min Scan# 36

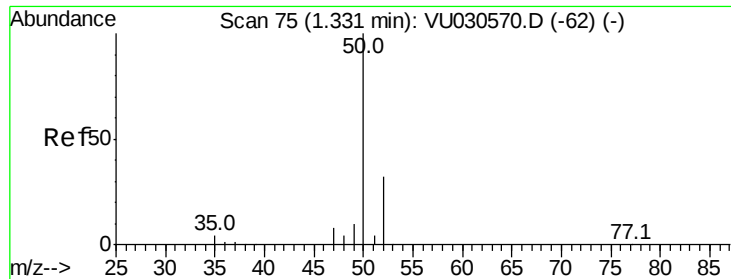
Delta R.T. 0.00 min

Lab File: VU030578.D

Acq: 30 Mar 2019 18:49

Tgt Ion	85	Resp	40182
Ion	Ratio	Lower	Upper
85	100		
87	33.5	15.9	47.6





#3

Chloromethane

Concen: 1.820 ug/l

RT: 1.33 min Scan# 75

Delta R.T. -0.00 min

Lab File: VU030578.D

Acq: 30 Mar 2019 18:49

Instrument :

MSVOA_U

ClientSampleId :

VU0331WBS01

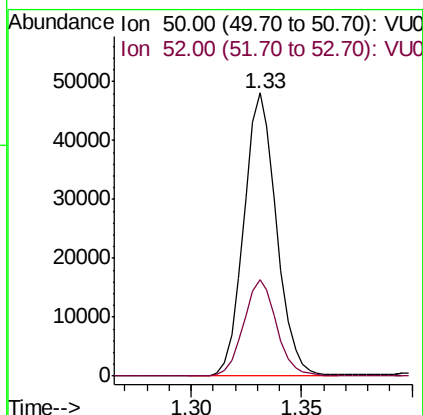
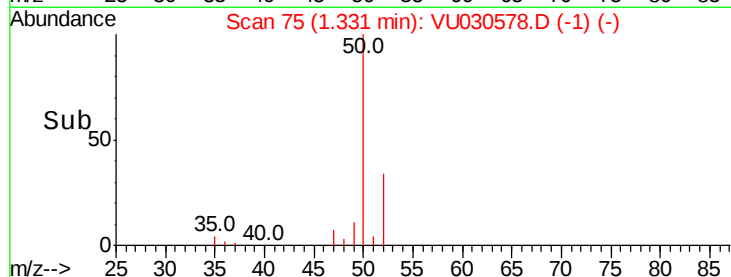
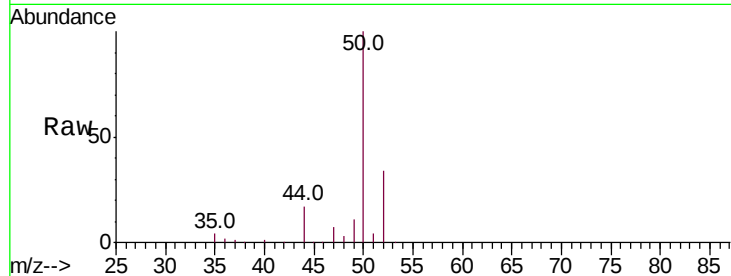
Tot Ion: 50 Resp: 49455

Ion Ratio Lower Upper

50 100

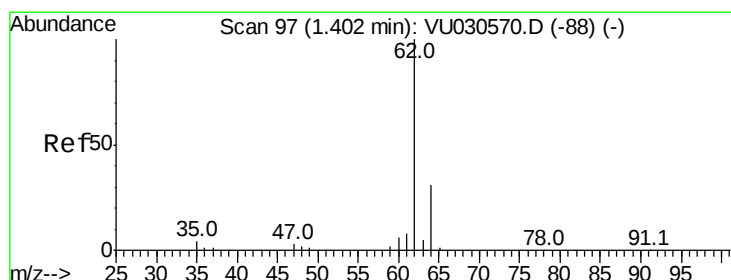
52 34.1 25.8 38.8

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#4

Vinyl Chloride

Concen: 1.901 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU030578.D

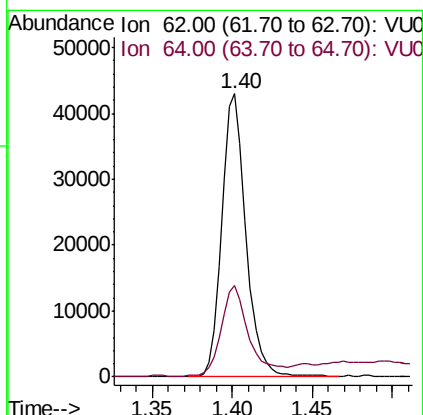
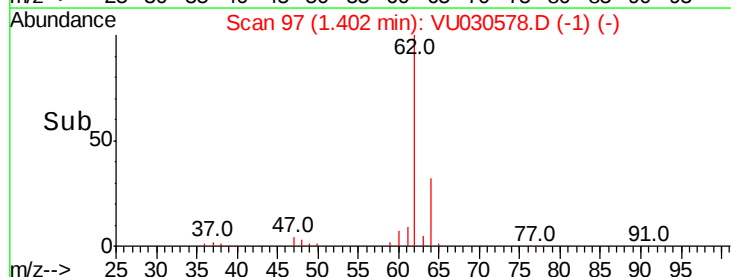
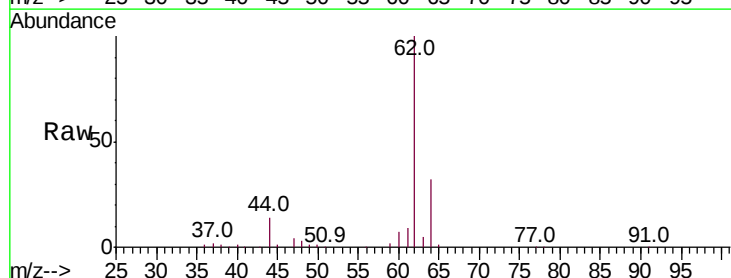
Acq: 30 Mar 2019 18:49

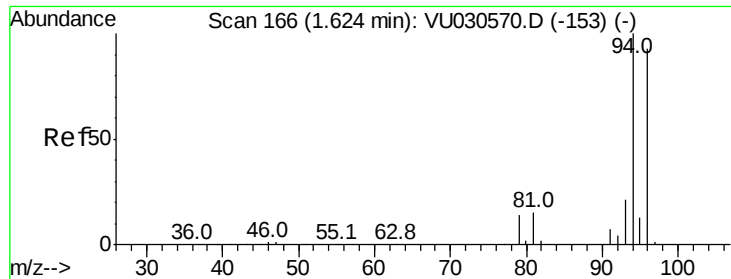
Tgt Ion: 62 Resp: 44638

Ion Ratio Lower Upper

62 100

64 31.7 25.1 37.7





#5

Bromomethane

Concen: 1.594 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU030578.D

Acq: 30 Mar 2019 18:49

Instrument :

MSVOA_U

ClientSampleId :

VU0331WBS01

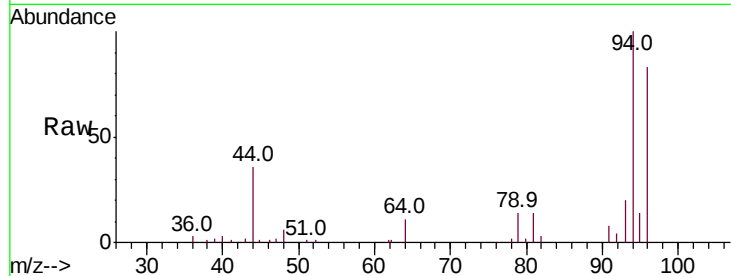
Tot Ion: 94 Resp: 16141

Ion Ratio Lower Upper

94 100

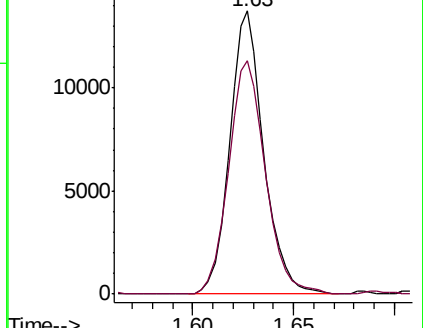
96 82.6 74.8 112.2

Manual Integrations
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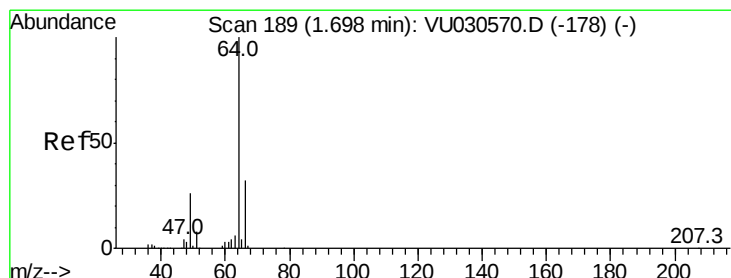
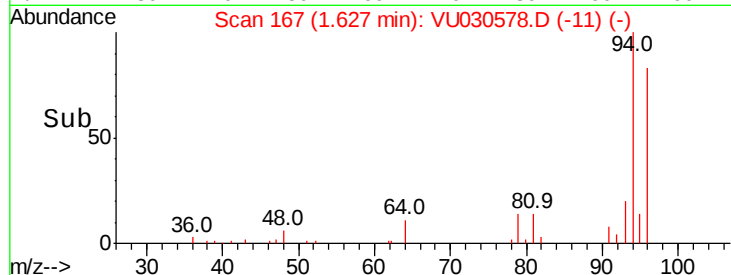
Abundance Ion 94.00 (93.70 to 94.70): VU030578.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU030578.D (-153) (-)



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#6

Chloroethane

Concen: 1.886 ug/l

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU030578.D

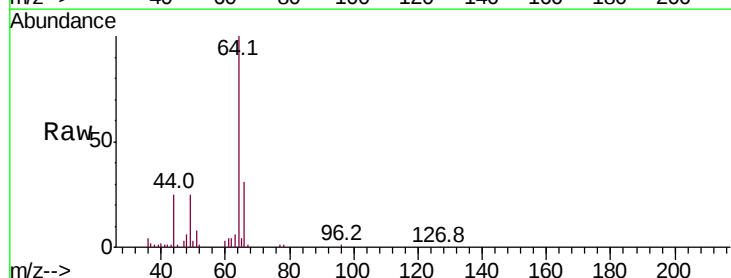
Acq: 30 Mar 2019 18:49

Tgt Ion: 64 Resp: 25543

Ion Ratio Lower Upper

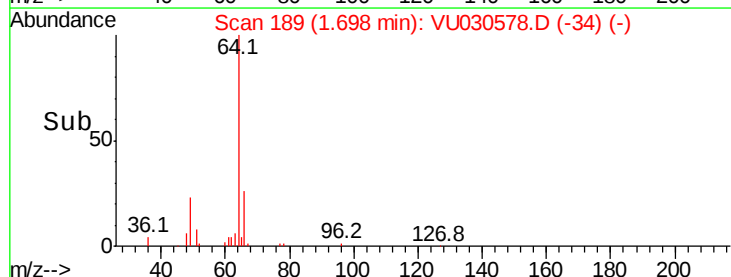
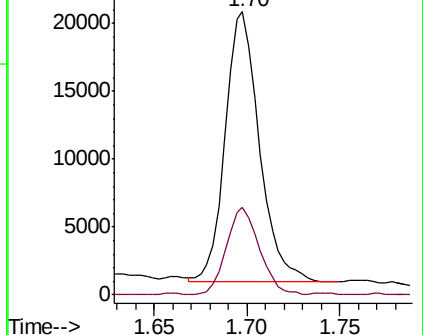
64 100

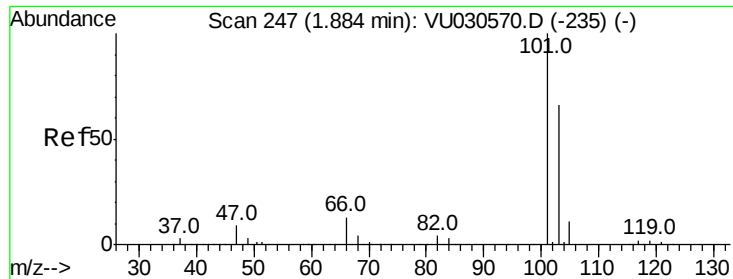
66 32.4 25.5 38.3



Abundance Ion 64.00 (63.70 to 64.70): VU030578.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU030578.D (-178) (-)





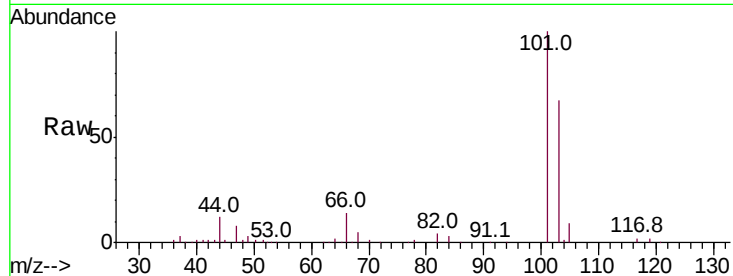
#7

Trichlorofluoromethane
Concen: 1.915 ug/l
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

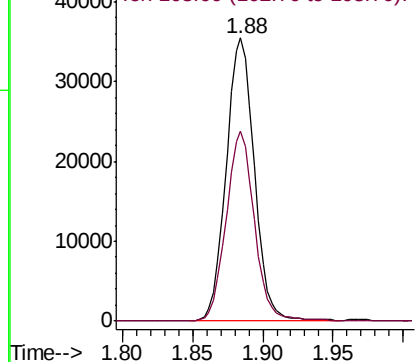
Instrument :
MSVOA_U
ClientSampleId :
VU0331WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	52.6	79.0

Manual Integrations
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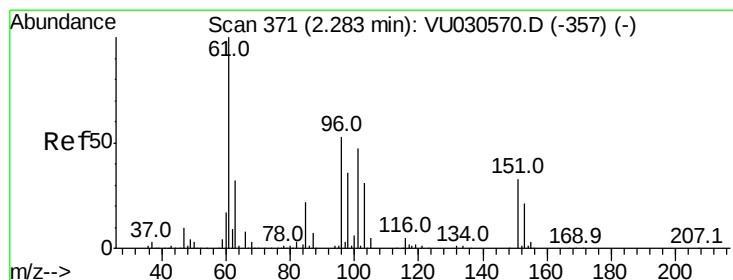
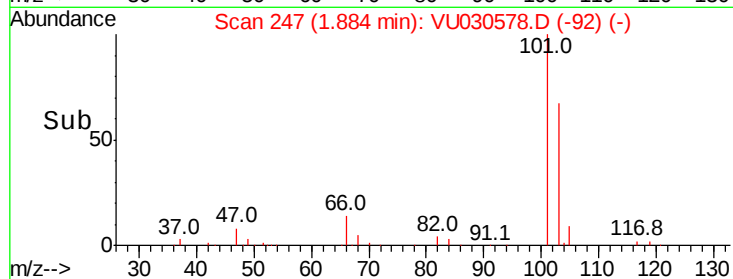


Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



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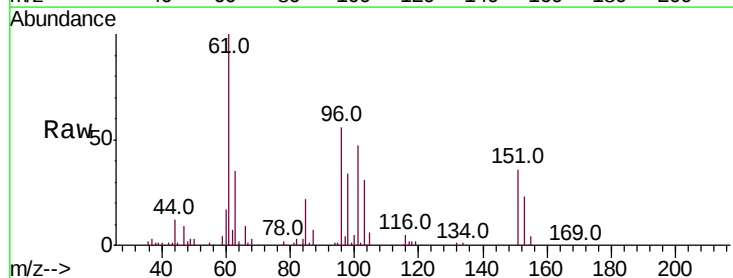
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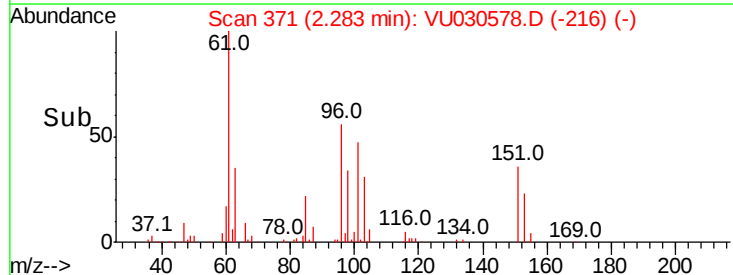
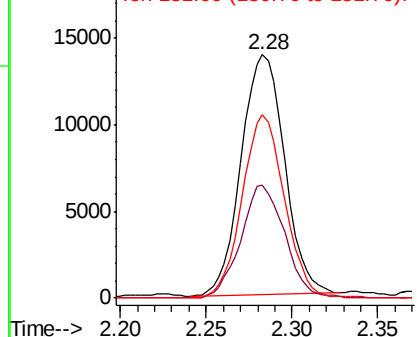
#8

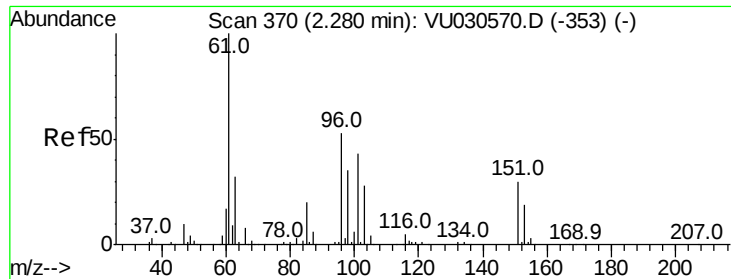
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.860 ug/l
RT: 2.28 min Scan# 371
Delta R.T. -0.00 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
101	100		
85	47.4	36.5	54.7
151	73.1	56.5	84.7



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





#9

1,1-Dichloroethene

Concen: 1.962 ug/l

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU030578.D

Acq: 30 Mar 2019 18:49

Instrument :

MSVOA_U

ClientSampleId :

VU0331WBS01

Tot Ion: 96 Resp: 25870

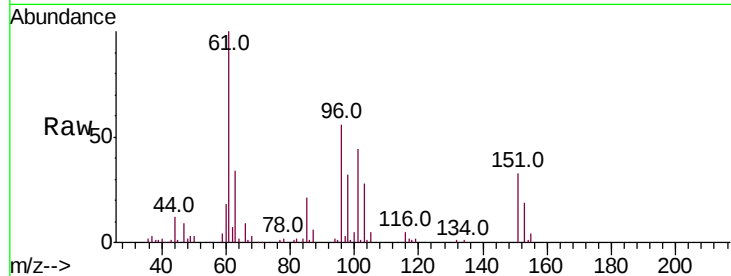
Ion Ratio Lower Upper

96 100

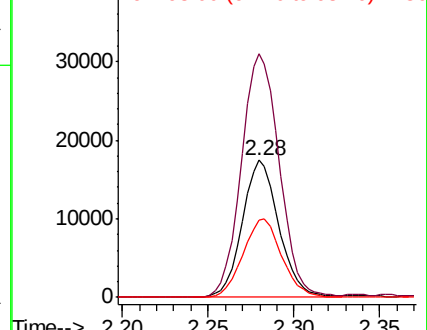
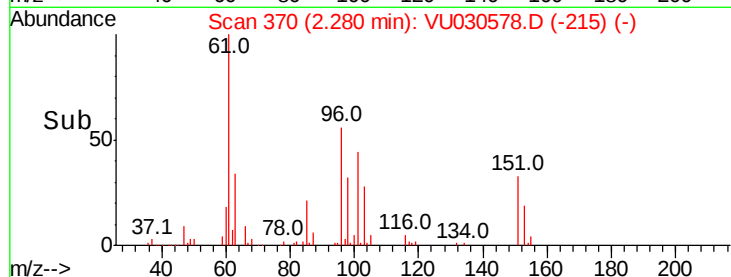
61 177.3 0.0 567.0

98 56.2 0.0 132.2

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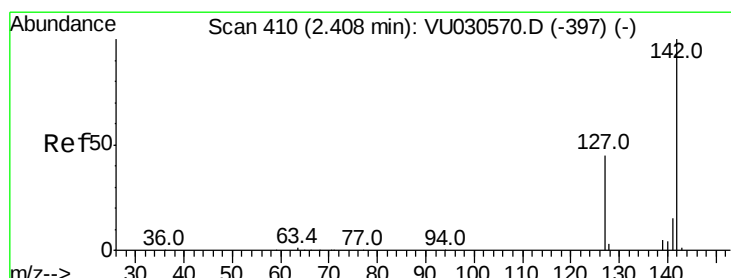


Abundance Ion 96.00 (95.70 to 96.70): VU030578.D (-215) (-)



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#10

Iodomethane

Concen: 0.895 ug/l

RT: 2.41 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU030578.D

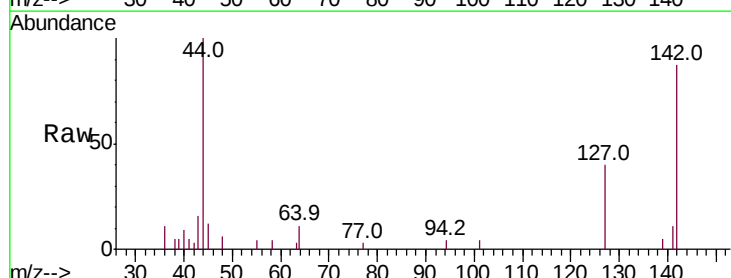
Acq: 30 Mar 2019 18:49

Tgt Ion:142 Resp: 5436

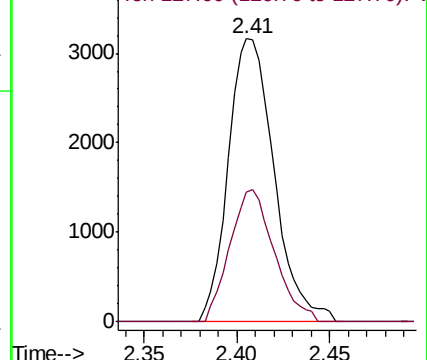
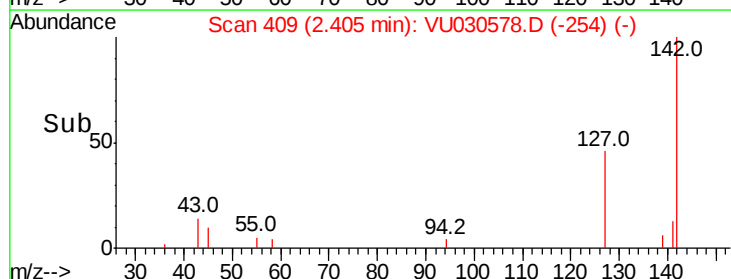
Ion Ratio Lower Upper

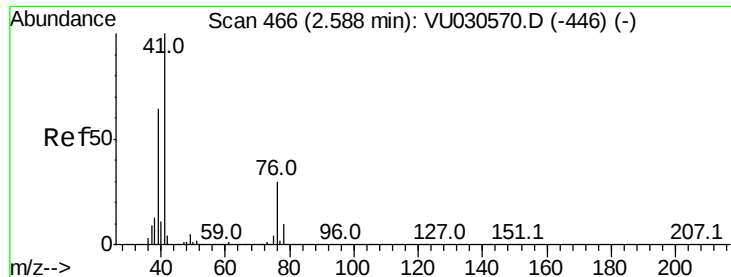
142 100

127 45.1 36.8 55.2



Abundance Ion 142.00 (141.70 to 142.70): VU030578.D (-254) (-)



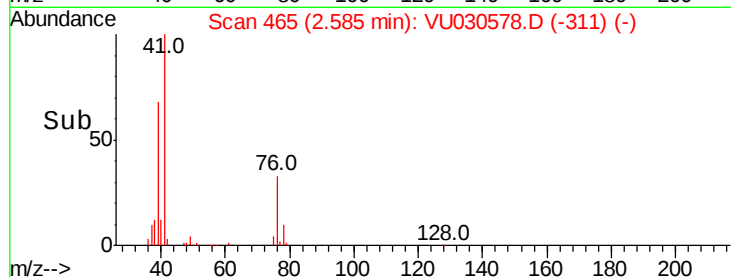
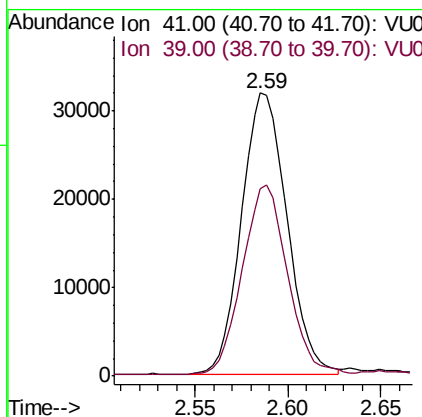
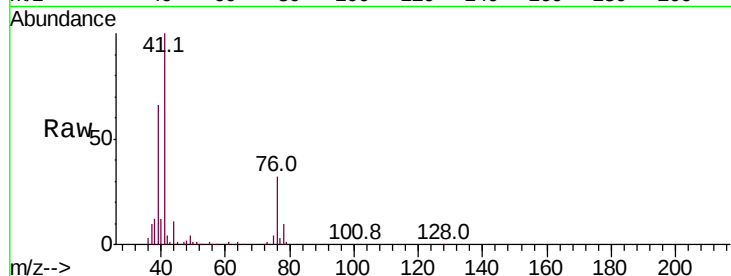


#11
Allvl Chloride
Concen: 1.881 ug/l
RT: 2.59 min Scan# 465
Delta R.T. -0.00 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

Instrument :
MSVOA_U
ClientSampleId :
VU0331WBS01

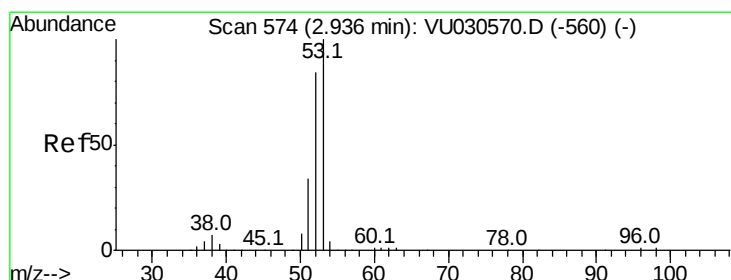
Tot Ion: 41 Resp: 54053
Ion Ratio Lower Upper
41 100
39 67.3 51.8 77.6

Manual Integrations
APPROVED



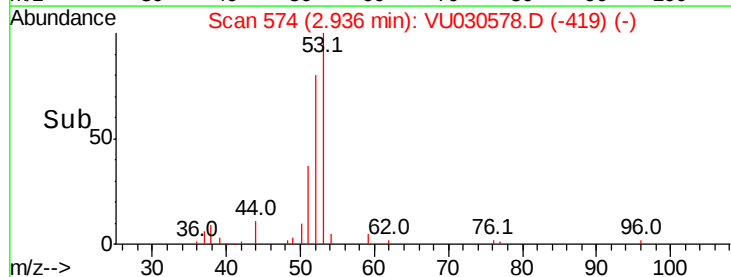
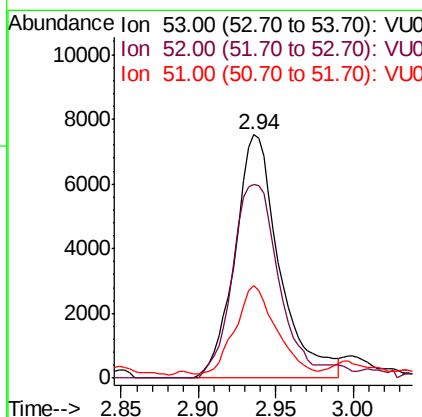
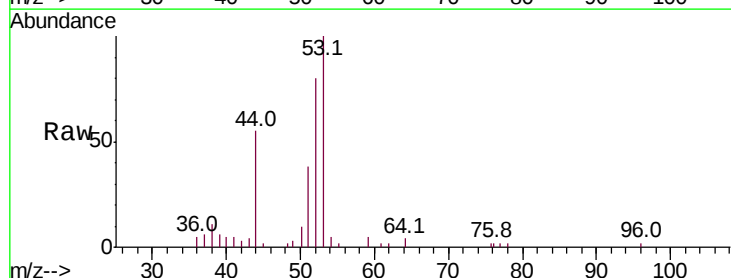
MMDadoda

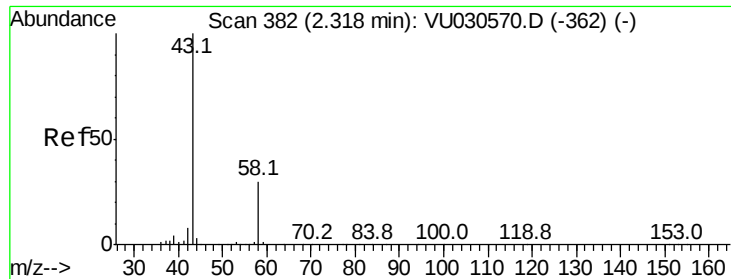
4/5/2019 2:38:58 PM



#12
Acrylonitrile
Concen: 4.021 ug/l
RT: 2.94 min Scan# 574
Delta R.T. -0.00 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

Tgt Ion: 53 Resp: 15062
Ion Ratio Lower Upper
53 100
52 82.2 69.1 103.7
51 33.9 27.9 41.9



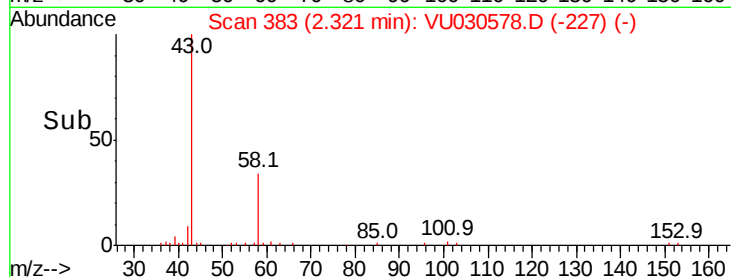
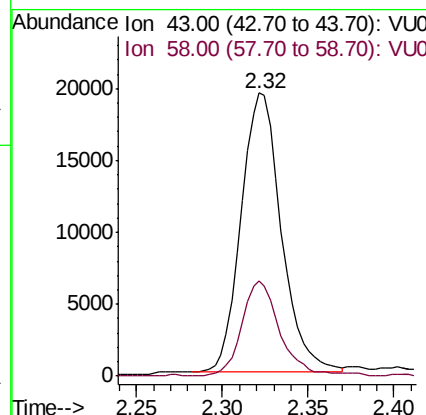
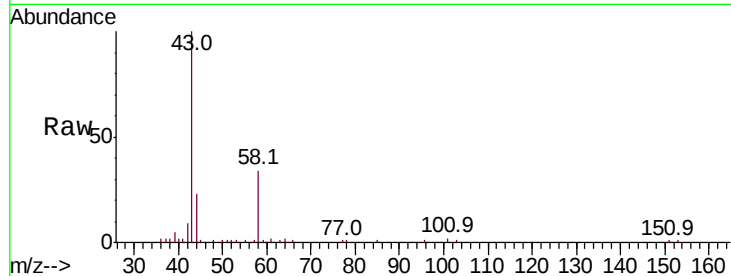


#13
Acetone
Concen: 9.009 ug/l
RT: 2.32 min Scan# 383
Delta R.T. 0.00 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

Instrument :
MSVOA_U
ClientSampleId :
VU0331WBS01

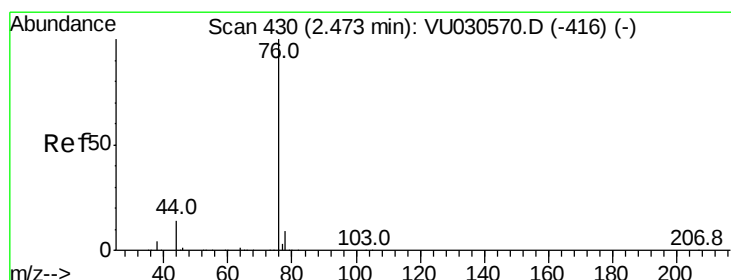
Tot Ion: 43 Resp: 31612
Ion Ratio Lower Upper
43 100
58 34.2 24.2 36.4

Manual Integrations
APPROVED



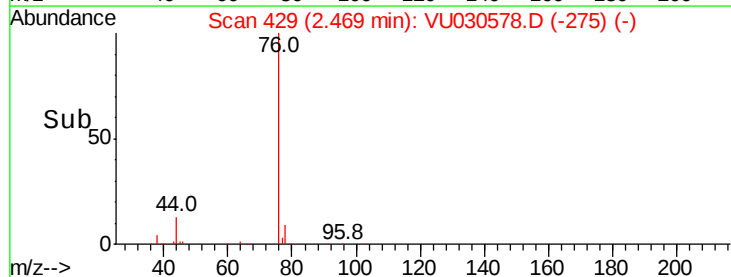
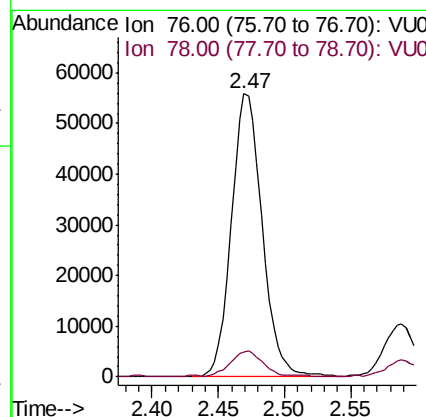
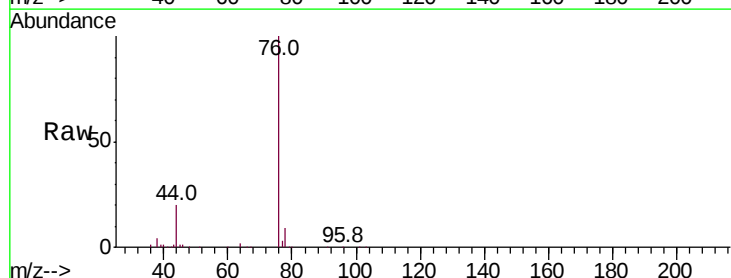
MMDadoda

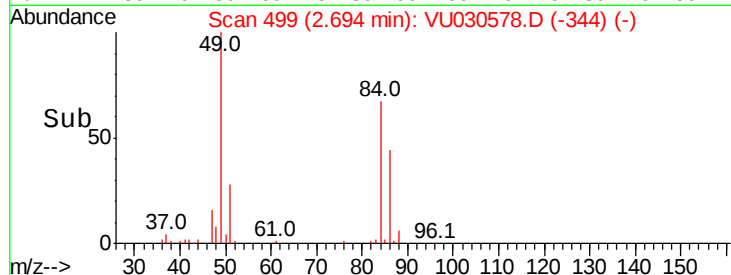
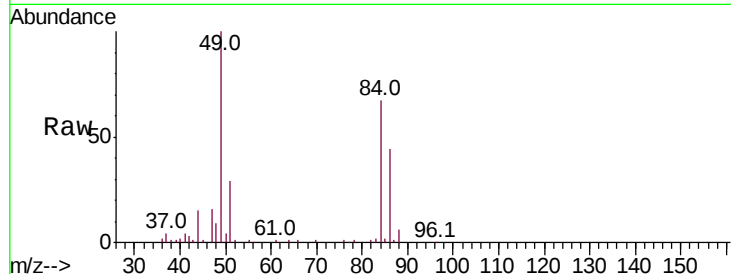
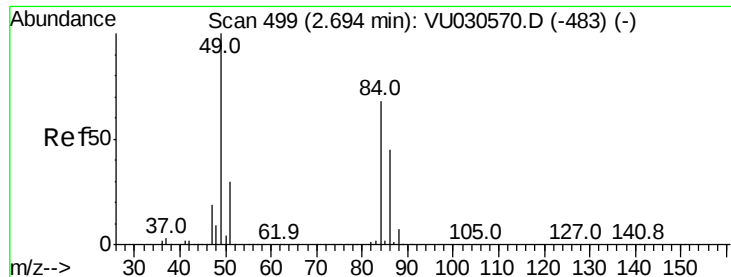
4/5/2019 2:38:58 PM



#14
Carbon Disulfide
Concen: 1.877 ug/l
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

Tgt Ion: 76 Resp: 90419
Ion Ratio Lower Upper
76 100
78 8.7 7.3 10.9



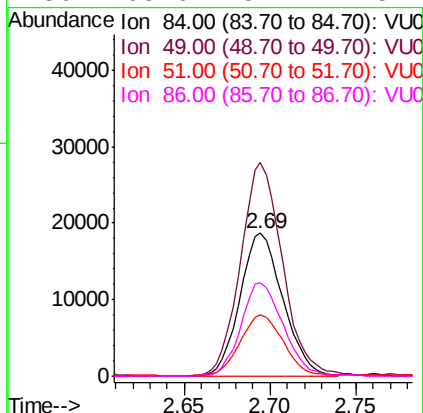


#15
Methvlene Chloride
Concen: 1.942 ug/l
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

Tot Ion:	84	Resp:	32487
Ion Ratio	Lower	Upper	
84	100		
49	149.3	117.0	175.6
51	43.0	0.0	88.6
86	65.6	52.2	78.2

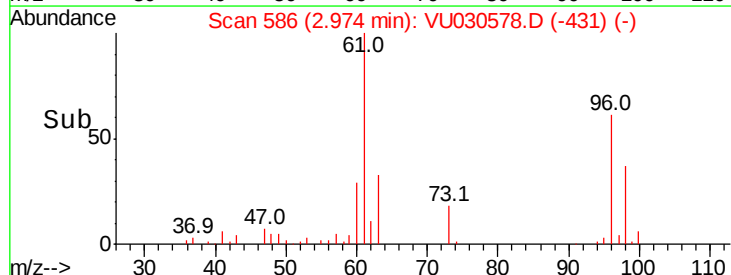
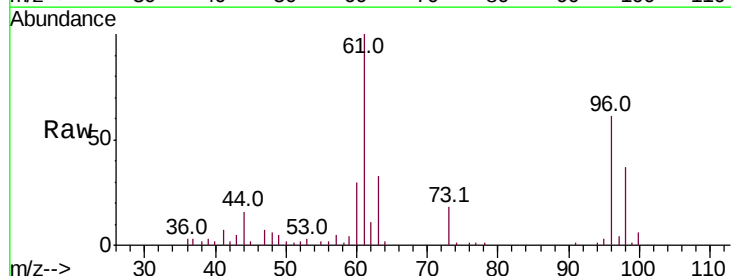
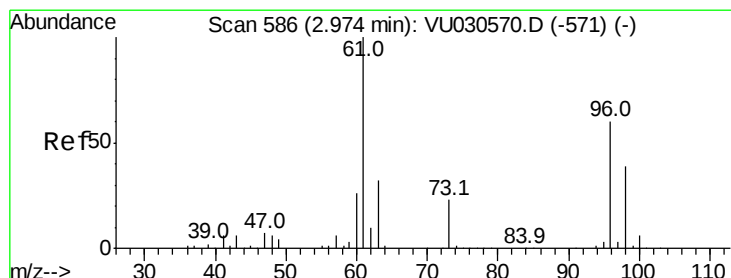
Instrument :
MSVOA_U
ClientSampleId :
VU0331WBS01

Manual Integrations
APPROVED



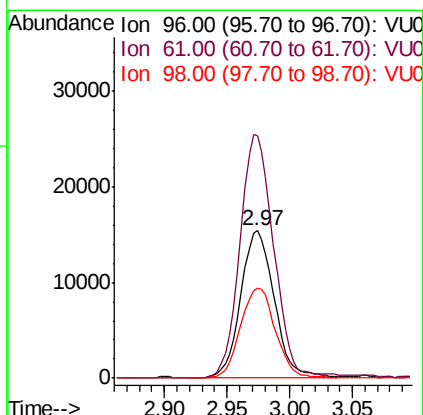
MMDadoda

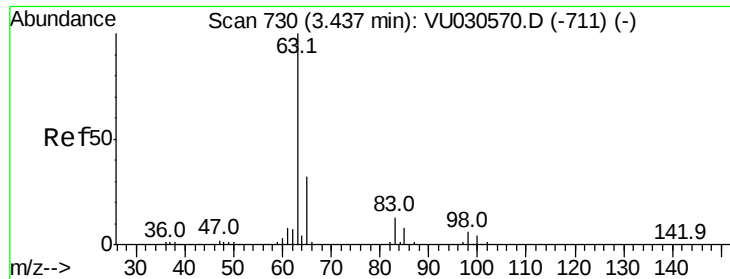
4/5/2019 2:38:58 PM



#16
trans-1,2-Dichloroethene
Concen: 1.938 ug/l
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

Tgt Ion:	96	Resp:	28876
Ion Ratio	Lower	Upper	
96	100		
61	164.0	132.3	198.5
98	60.8	51.3	76.9



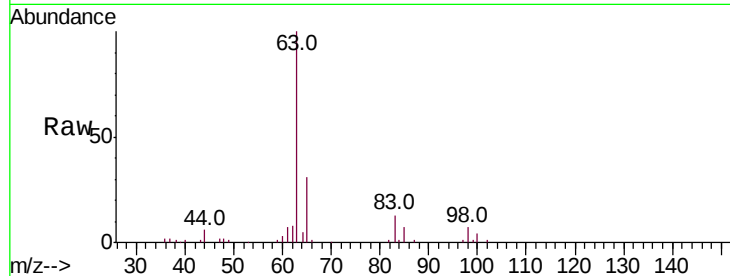


#17
 1,1-Dichloroethane
 Concen: 2.035 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU030578.D
 Acq: 30 Mar 2019 18:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0331WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.0	9.0
100	3.9	1.8	5.5

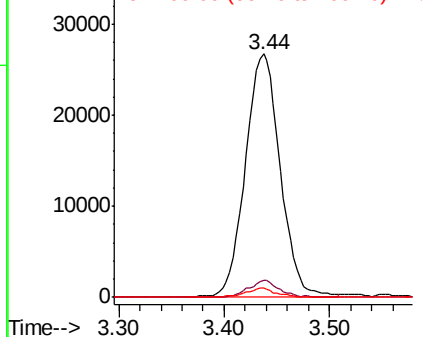
Manual Integrations
 APPROVED



Abundance Ion 63.00 (62.70 to 63.70): VU030578.D (-711) (-)

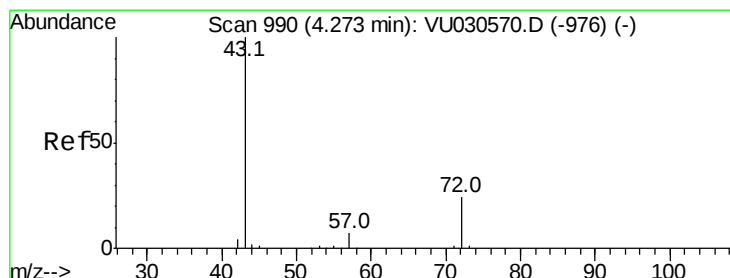
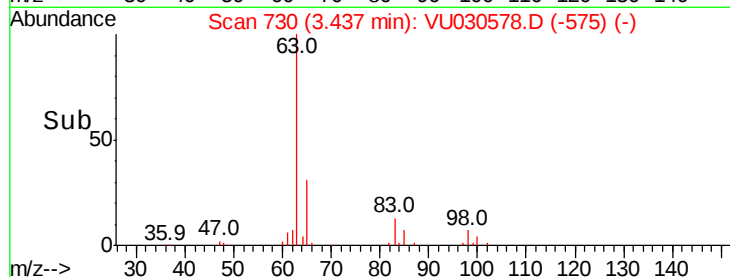
Ion 98.00 (97.70 to 98.70): VU030578.D (-711) (-)

Ion 100.00 (99.70 to 100.70): VU030578.D (-711) (-)



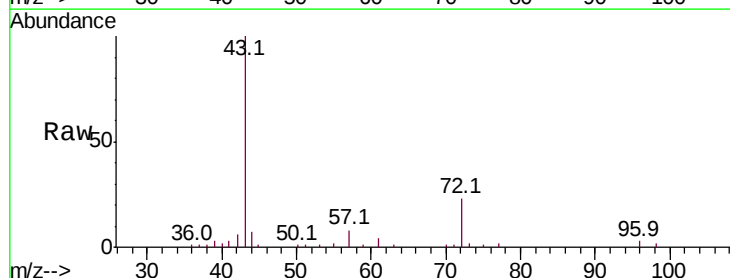
MMDadoda

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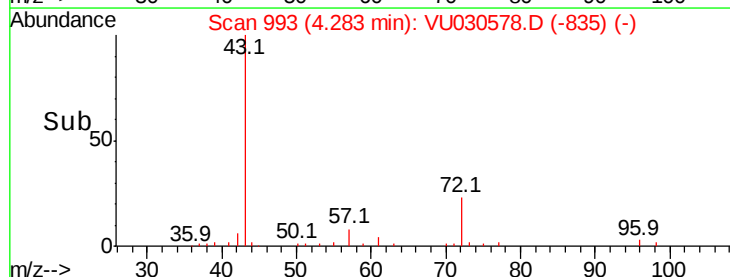
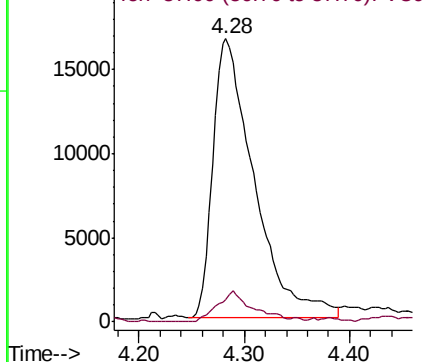
#18
 2-Butanone
 Concen: 9.986 ug/l
 RT: 4.28 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VU030578.D
 Acq: 30 Mar 2019 18:49

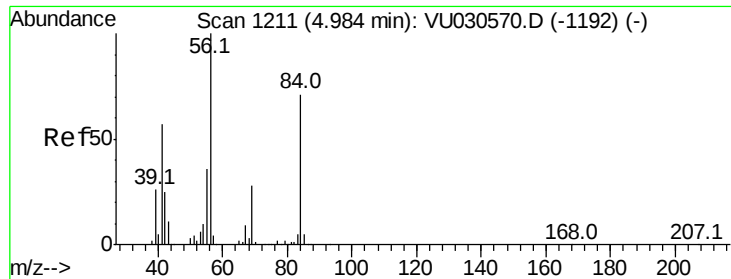
Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.8	0.0	14.4



Abundance Ion 43.00 (42.70 to 43.70): VU030578.D (-976) (-)

Ion 57.00 (56.70 to 57.70): VU030578.D (-976) (-)



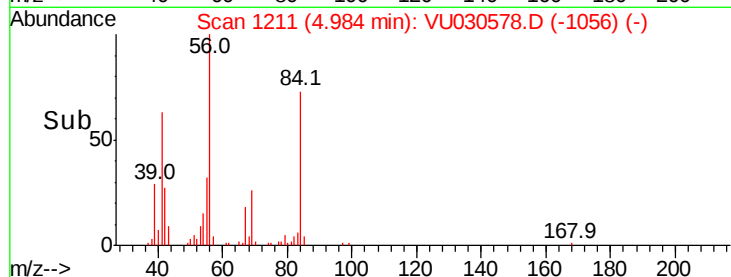
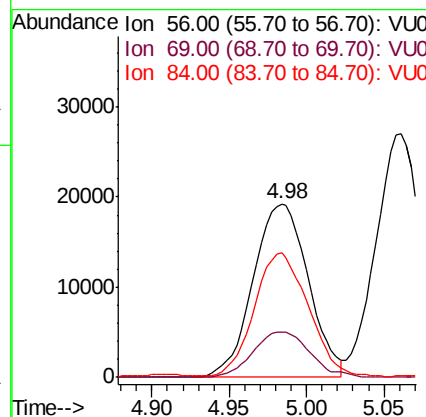
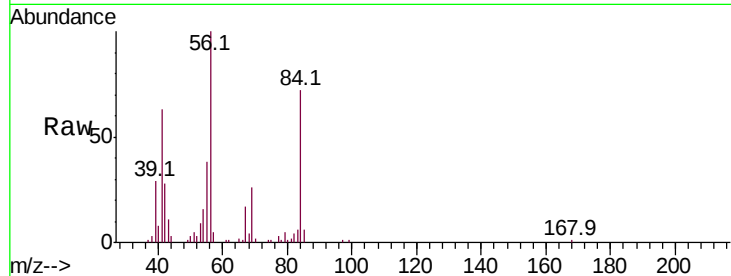


#19
Cyclohexane
Concen: 1.863 ug/l m
RT: 4.98 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

Instrument :
MSVOA_U
ClientSampleId :
VU0331WBS01

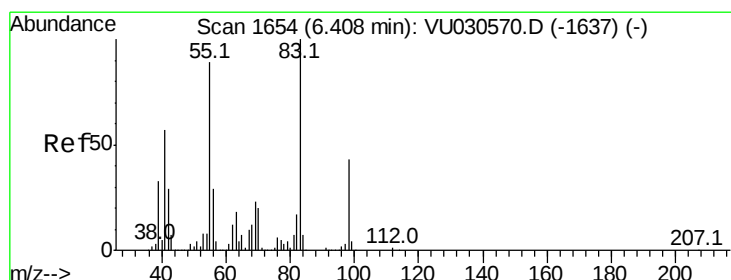
Tot Ion	Ratio	Lower	Upper
56	100		
69	27.0	22.3	33.5
84	69.5	57.6	86.4

Manual Integrations
APPROVED



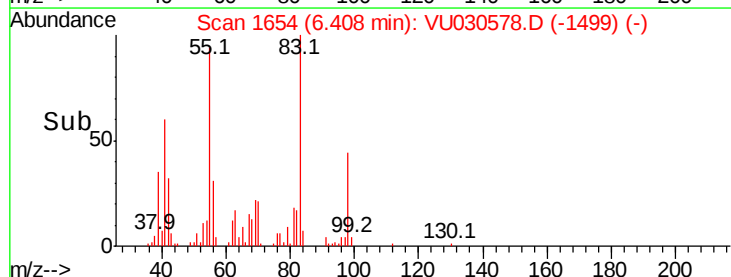
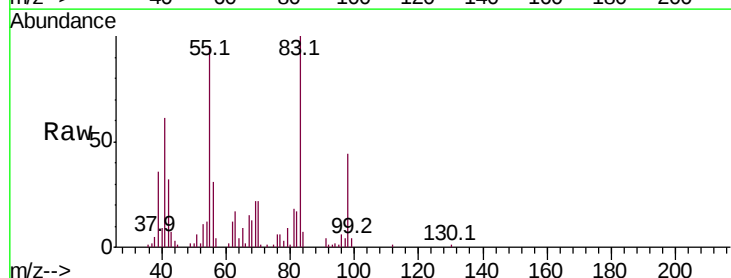
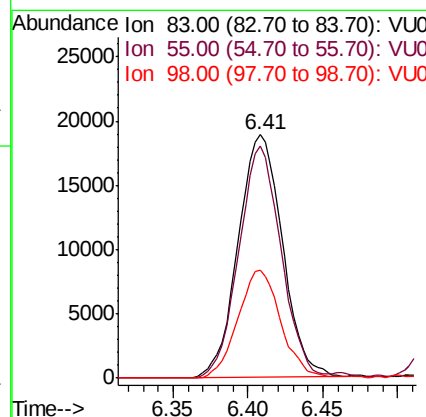
MMDadoda

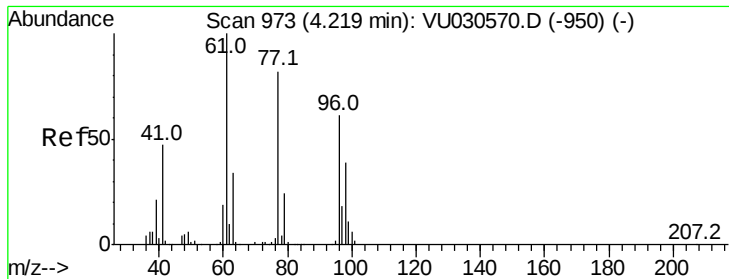
4/5/2019 2:38:58 PM



#20
Methylcyclohexane
Concen: 1.729 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
83	100		
55	89.7	72.0	108.0
98	42.4	35.0	52.4





#21

2,2-Dichloropropane

Concen: 1.682 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU030578.D

Acq: 30 Mar 2019 18:49

Instrument :

MSVOA_U

ClientSampleId :

VU0331WBS01

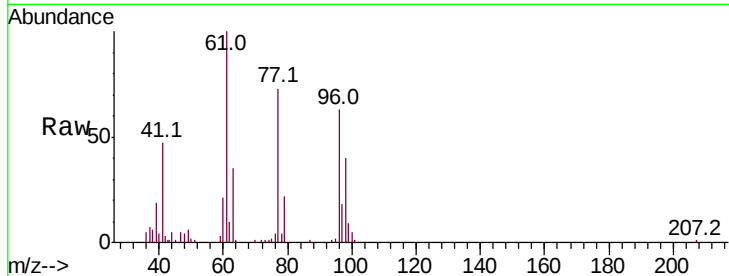
Tot Ion: 77 Resp: 39099

Ion Ratio Lower Upper

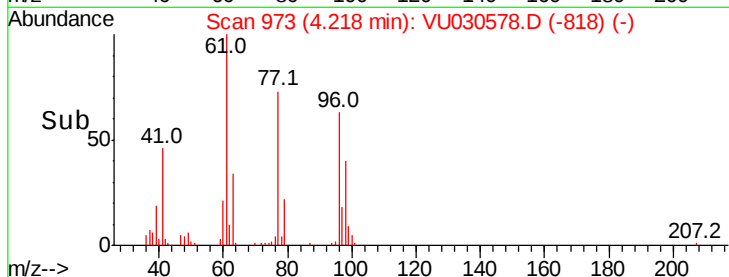
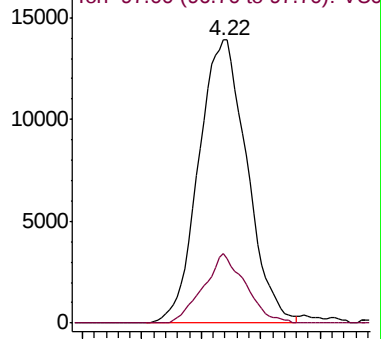
77 100

97 21.3 17.6 26.4

Manual Integrations
APPROVED

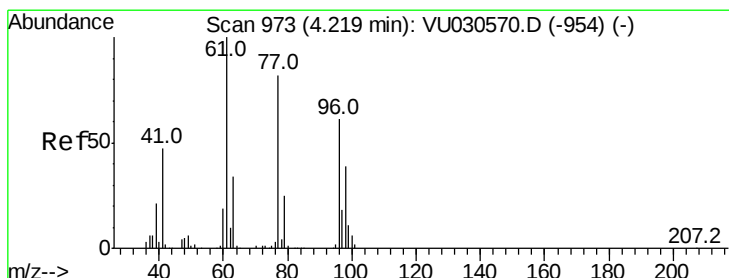


Abundance Ion 77.00 (76.70 to 77.70): VU030570.D (-950) (-)



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#22

cis-1,2-Dichloroethene

Concen: 1.970 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU030578.D

Acq: 30 Mar 2019 18:49

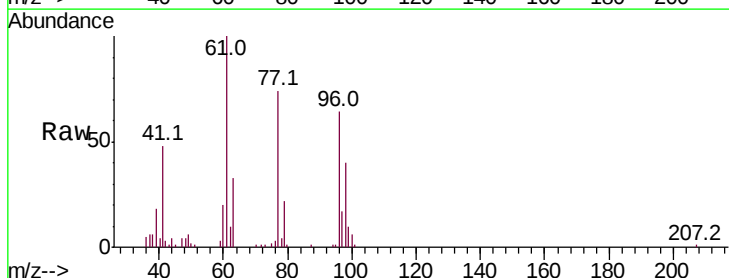
Tgt Ion: 96 Resp: 31519

Ion Ratio Lower Upper

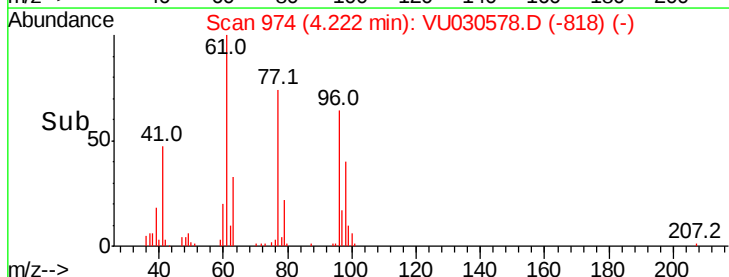
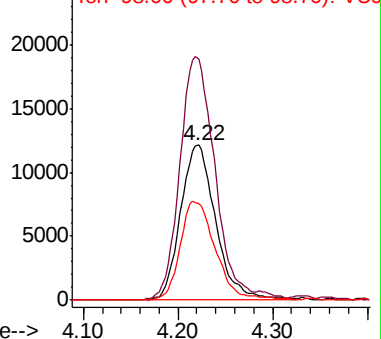
96 100

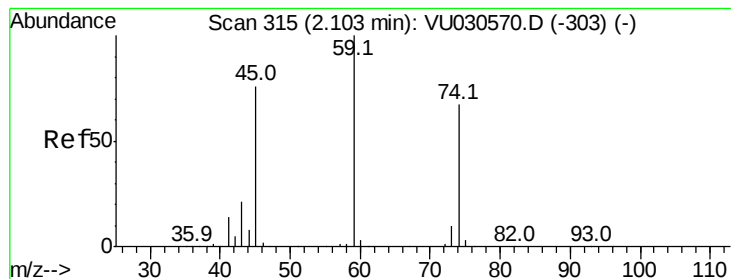
61 157.8 0.0 427.0

98 63.4 32.5 97.4



Abundance Ion 96.00 (95.70 to 96.70): VU030578.D (-818) (-)





#23

Diethyl Ether

Concen: 2.002 ug/l

RT: 2.10 min Scan# 315

Delta R.T. -0.00 min

Lab File: VU030578.D

Acq: 30 Mar 2019 18:49

Instrument :

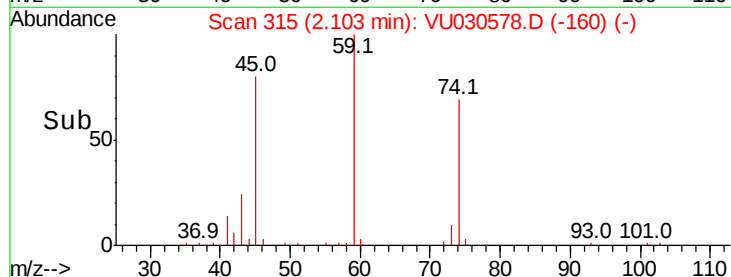
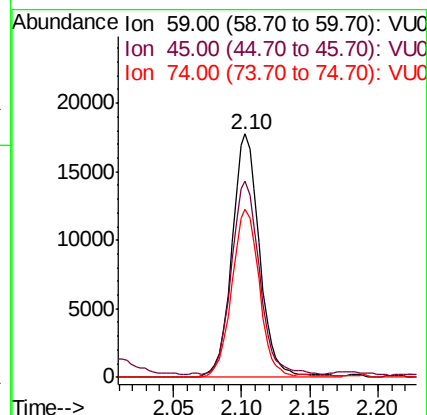
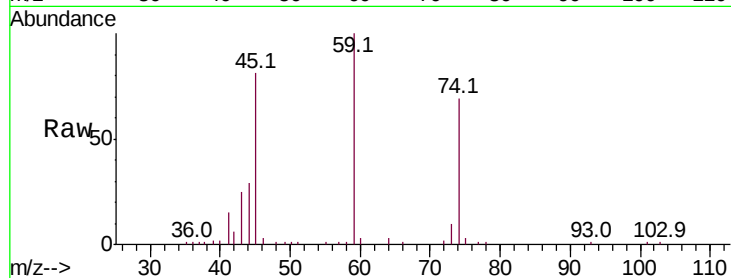
MSVOA_U

ClientSampleId :

VU0331WBS01

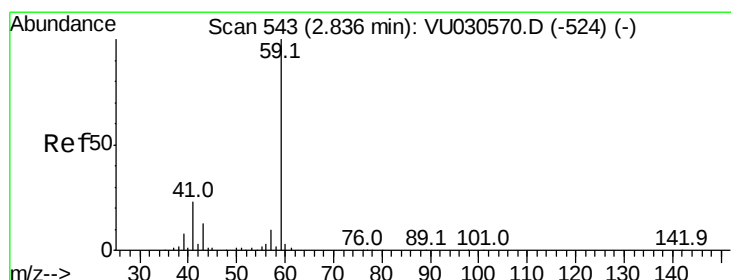
Tot Ion:	59	Resp:	25090
Ion	Ratio	Lower	Upper
59	100		
45	80.5	61.6	92.4
74	68.3	53.2	79.8

Manual Integrations
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#24

tert-Butyl Alcohol

Concen: 21.803 ug/l

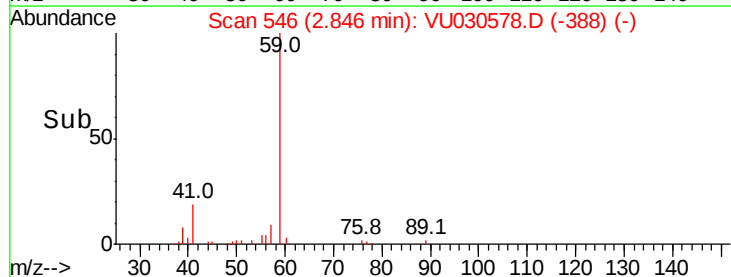
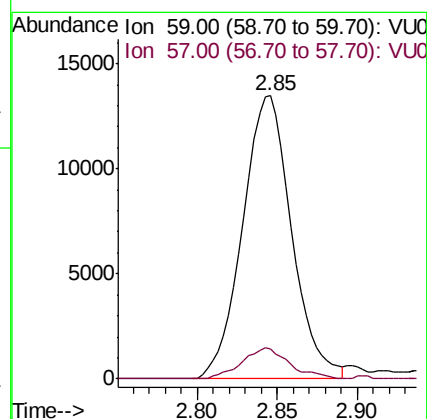
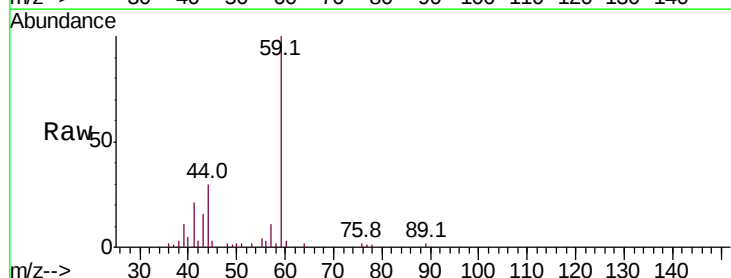
RT: 2.85 min Scan# 546

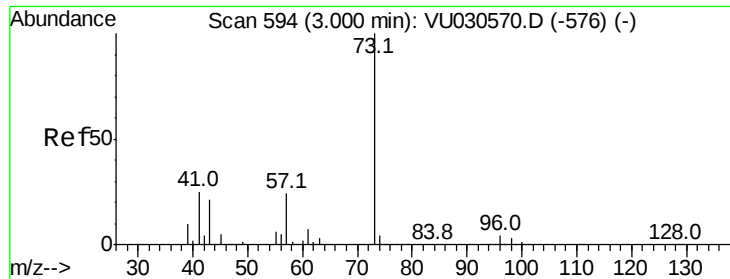
Delta R.T. 0.01 min

Lab File: VU030578.D

Acq: 30 Mar 2019 18:49

Tgt Ion:	59	Resp:	28289
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.4	12.6





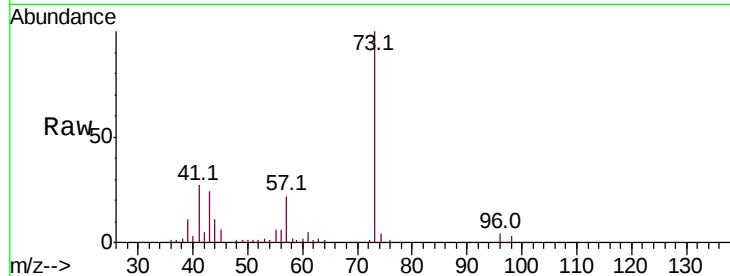
#25

Methyl tert-Butyl Ether
 Concen: 2.056 ug/l
 RT: 3.00 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VU030578.D
 Acq: 30 Mar 2019 18:49

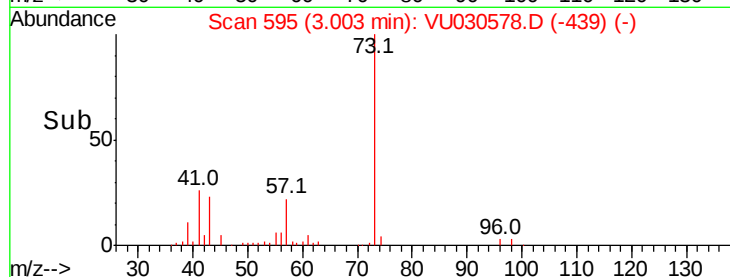
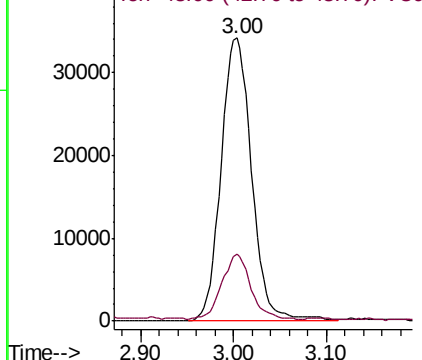
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0331WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
43	21.2	16.6	24.8

Manual Integrations
 APPROVED

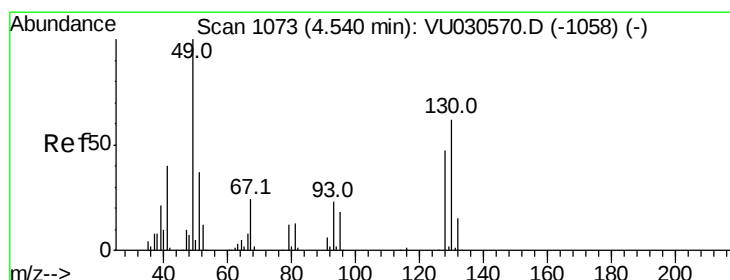


Abundance Ion 73.00 (72.70 to 73.70): VU030578.D (-576) (-)
 Ion 43.00 (42.70 to 43.70): VU030578.D (-576) (-)



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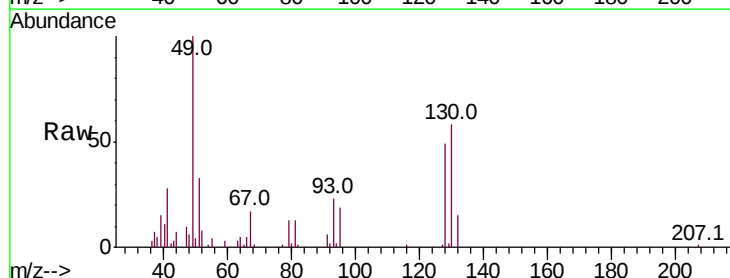
4/5/2019 2:38:58 PM



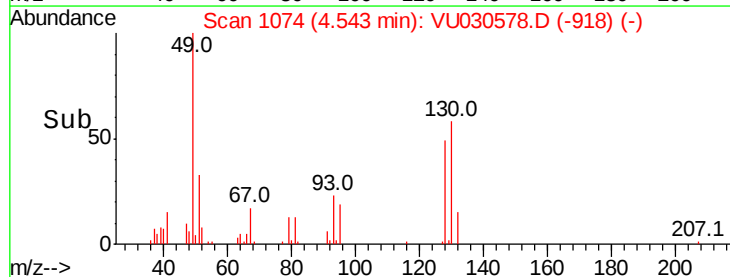
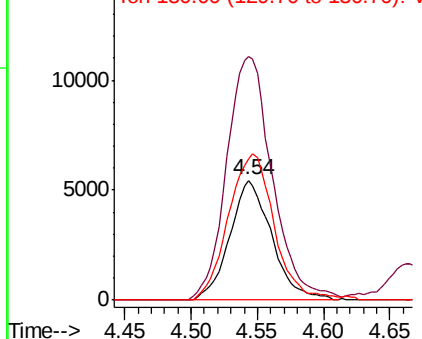
#26

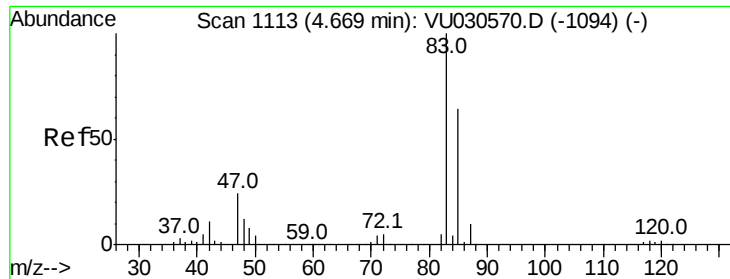
Bromochloromethane
 Concen: 1.911 ug/l
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU030578.D
 Acq: 30 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
128	100		
49	221.4	0.0	418.2
130	133.9	103.4	155.0



Abundance Ion 128.00 (127.70 to 128.70): VU030578.D (-1058) (-)
 Ion 49.00 (48.70 to 49.70): VU030578.D (-1058) (-)
 Ion 130.00 (129.70 to 130.70): VU030578.D (-1058) (-)



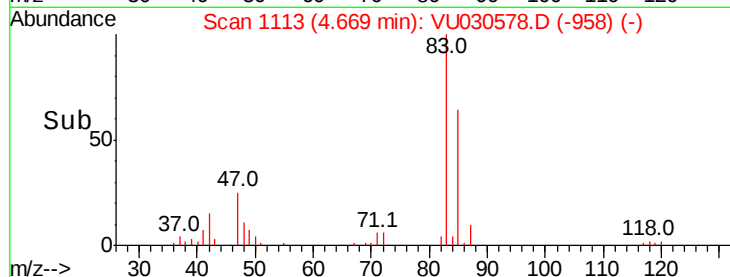
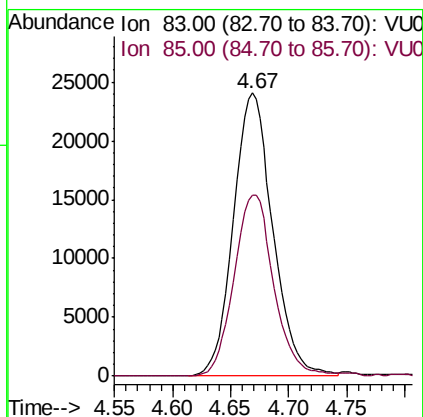
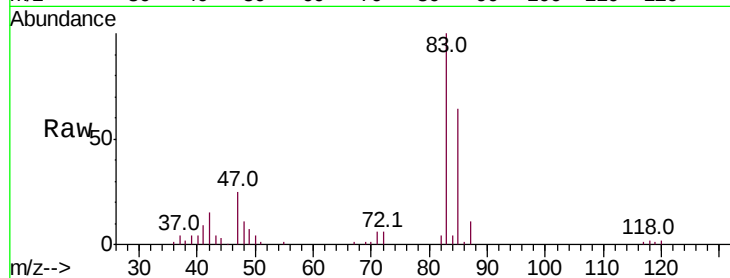


#27
Chloroform
Concen: 2.007 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

Instrument :
MSVOA_U
ClientSampleId :
VU0331WBS01

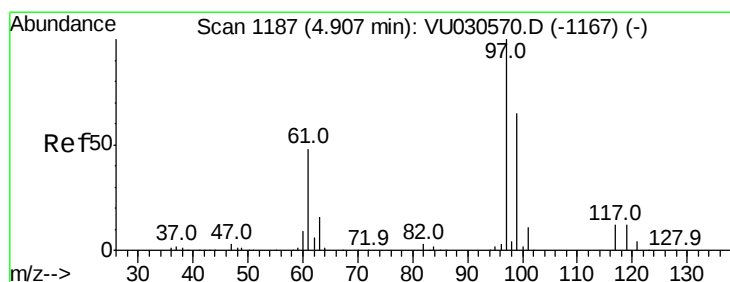
Tot Ion	83	Resp	56719
Ion Ratio	100	Lower	Upper
85	63.9	0.0	128.4

Manual Integrations
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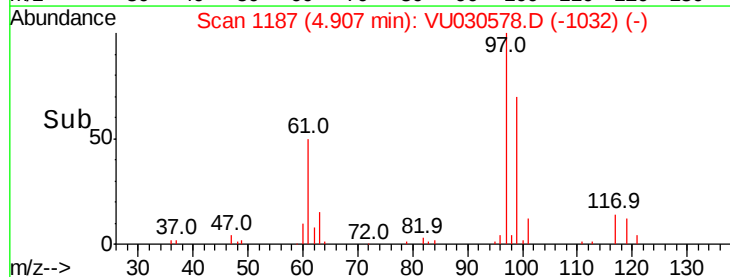
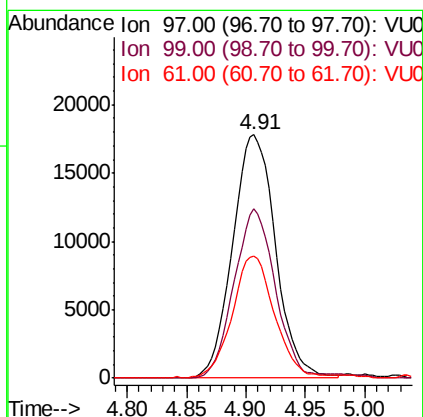
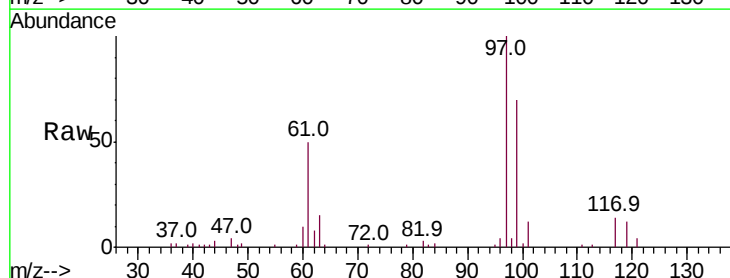
MMDadoda

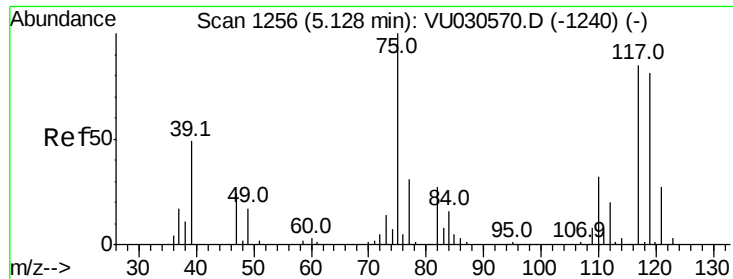
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#28
1,1,1-Trichloroethane
Concen: 1.910 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

Tgt Ion	97	Resp	44560
Ion Ratio	100	Lower	Upper
99	66.5	32.0	96.0
61	49.4	24.0	72.0





#29

1,1-Dichloropropene

Concen: 1.847 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU030578.D

Acq: 30 Mar 2019 18:49

Instrument :

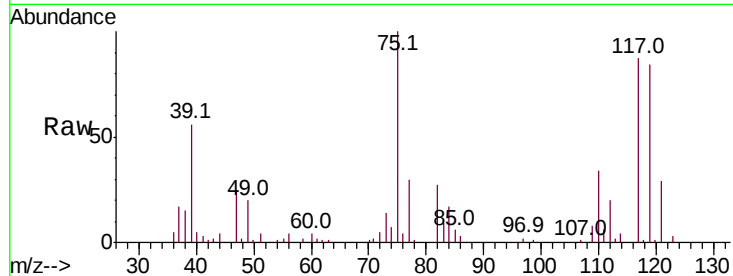
MSVOA_U

ClientSampleId :

VU0331WBS01

Tot Ion:	75	Resp:	38651
Ion Ratio	Lower	Upper	
75	100		
110	33.9	16.0	48.0
77	30.7	24.8	37.2

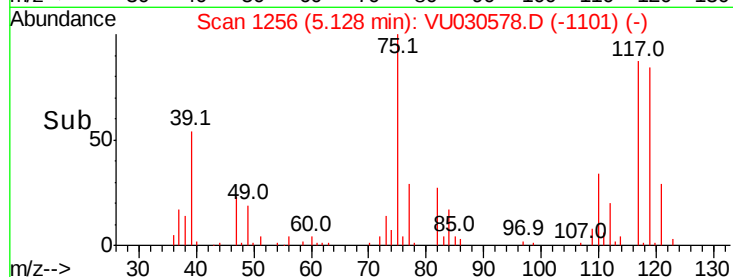
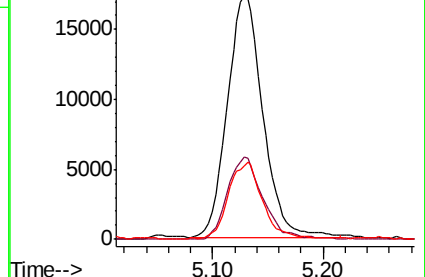
Manual Integrations
APPROVED



Abundance Ion 75.00 (74.70 to 75.70): VU030578.D (-1240) (-)

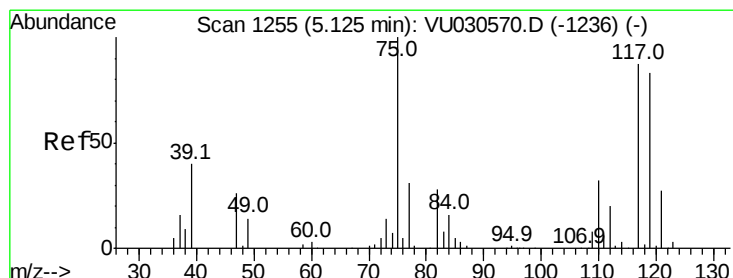
Ion 110.00 (109.70 to 110.70): VU030578.D (-1240) (-)

Ion 77.00 (76.70 to 77.70): VU030578.D (-1240) (-)



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#30

Carbon Tetrachloride

Concen: 1.961 ug/l

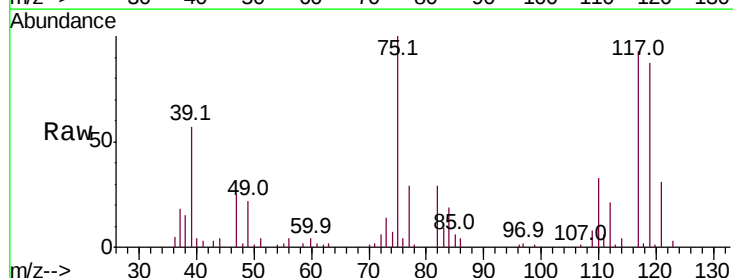
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU030578.D

Acq: 30 Mar 2019 18:49

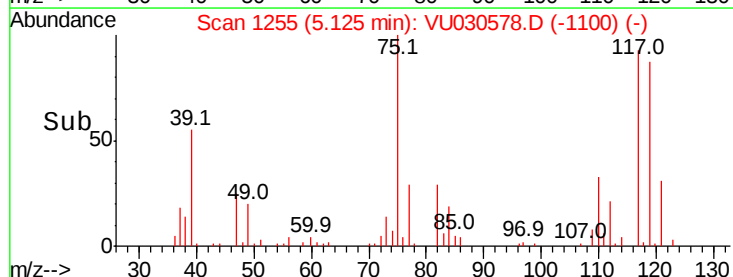
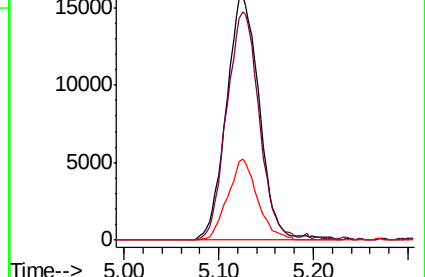
Tgt Ion:	117	Resp:	38185
Ion Ratio	Lower	Upper	
117	100		
119	93.8	76.4	114.6
121	33.2	24.7	37.1

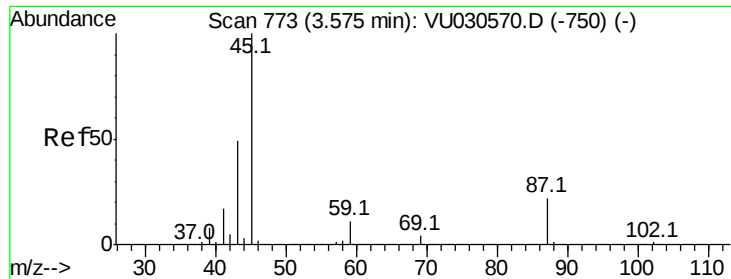


Abundance Ion 117.00 (116.70 to 117.70): VU030578.D (-1100) (-)

Ion 119.00 (118.70 to 119.70): VU030578.D (-1100) (-)

Ion 121.00 (120.70 to 121.70): VU030578.D (-1100) (-)





#31

Isopropyl Ether

Concen: 1.945 ug/l

RT: 3.58 min Scan# 773

Delta R.T. -0.00 min

Lab File: VU030578.D

Acq: 30 Mar 2019 18:49

Instrument :
MSVOA_U
ClientSampleId :
VU0331WBS01

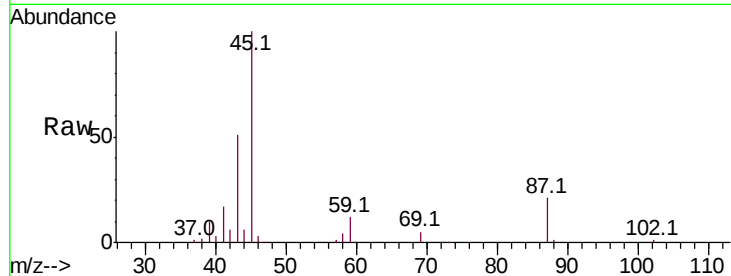
Tot Ion: 45 Resp: 97984

Ion Ratio Lower Upper

45 100

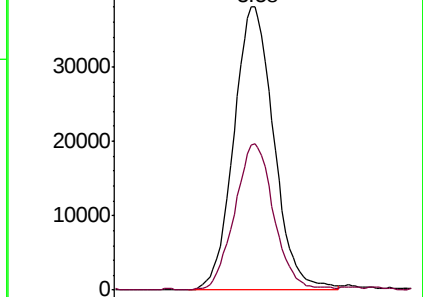
43 50.7 25.0 75.0

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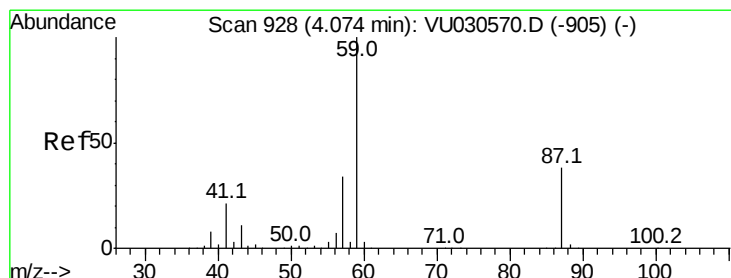
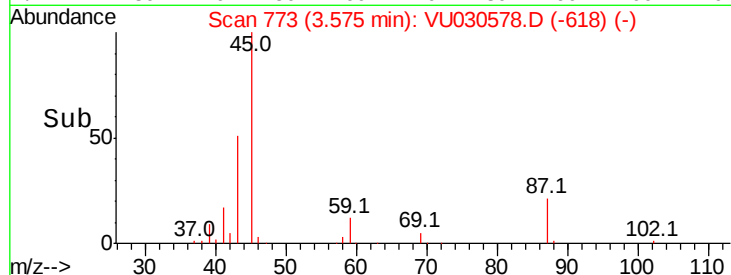
Abundance Ion 45.00 (44.70 to 45.70): VU030570.D (-750) (-)

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



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#32

Ethyl-t-butyl ether

Concen: 1.900 ug/l

RT: 4.07 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU030578.D

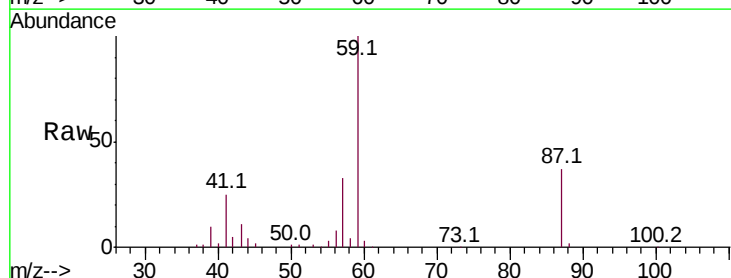
Acq: 30 Mar 2019 18:49

Tgt Ion: 59 Resp: 76257

Ion Ratio Lower Upper

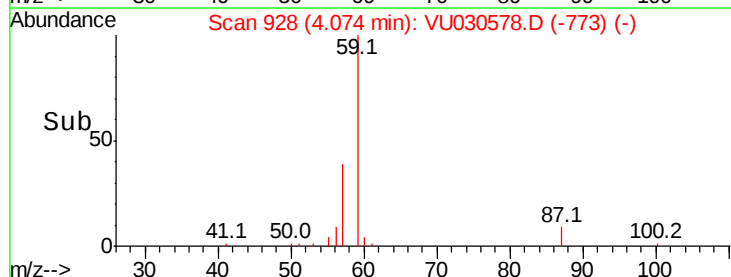
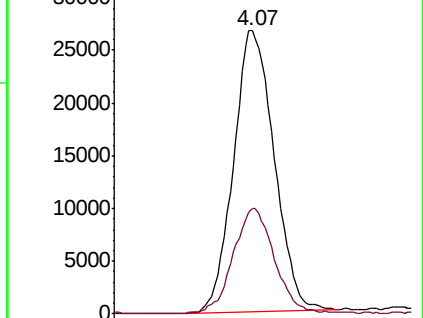
59 100

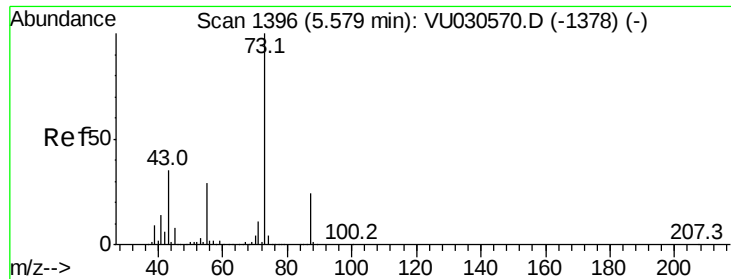
87 37.3 30.1 45.1



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

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



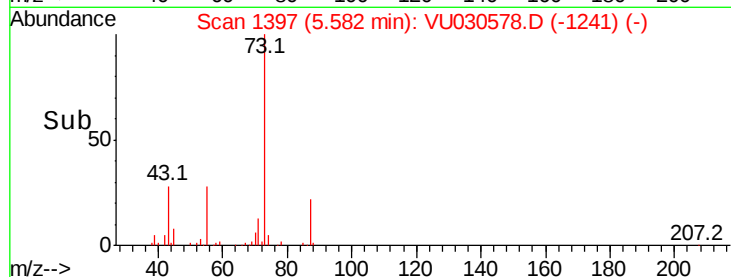
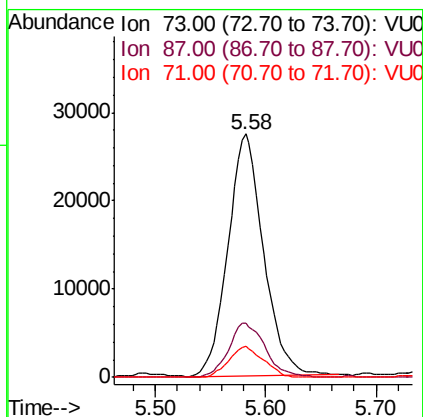
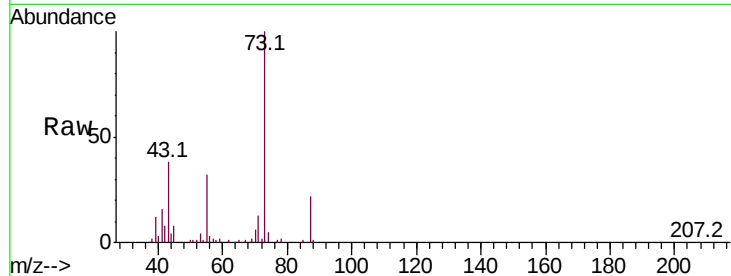


#33
Tert-Butyl methyl ether
Concen: 1.897 ug/l
RT: 5.58 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

Instrument :
MSVOA_U
ClientSampleId :
VU0331WBS01

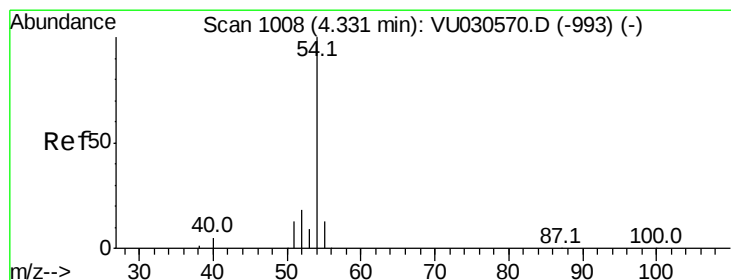
Tot Ion	Ratio	Lower	Upper
73	100		
87	23.3	18.6	27.8
71	12.5	9.0	13.4

Manual Integrations
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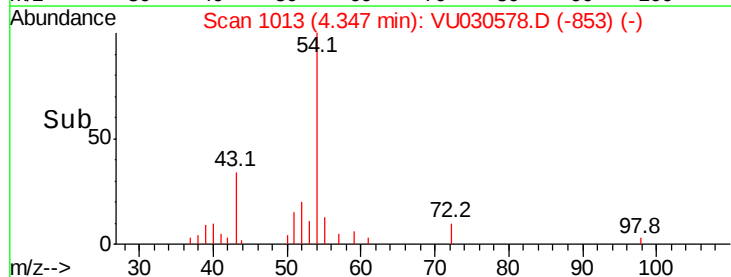
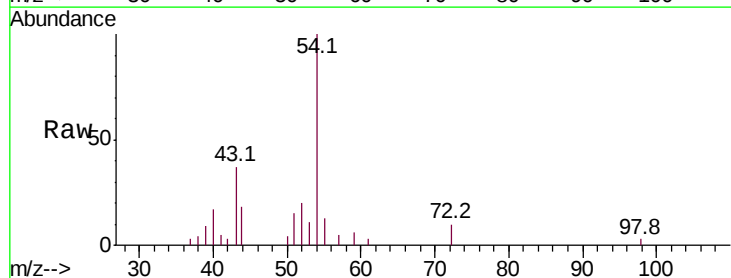
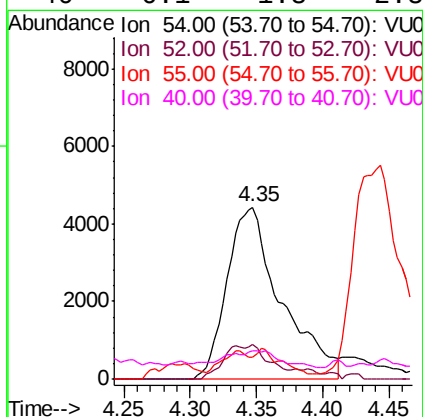
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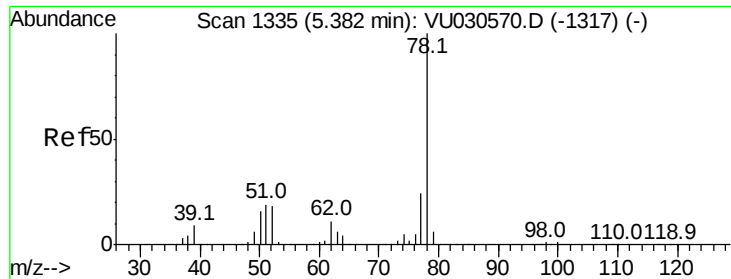
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#34
Propionitrile
Concen: 10.172 ug/l
RT: 4.35 min Scan# 1013
Delta R.T. 0.02 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
54	100		
52	0.0	14.1	21.1#
55	6.1	10.4	15.6#
40	6.1	1.8	2.8#





#35

Benzene

Concen: 1.952 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU030578.D

Acq: 30 Mar 2019 18:49

Instrument :

MSVOA_U

ClientSampleId :

VU0331WBS01

Tot Ion: 78 Resp: 120769

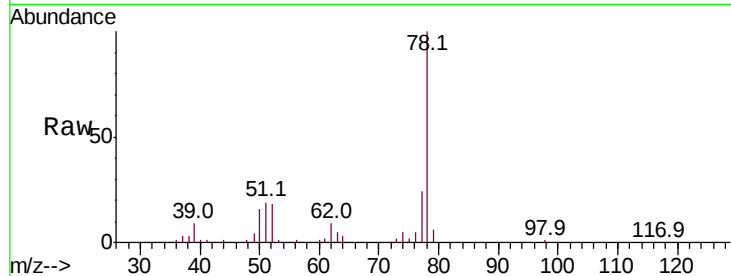
Ion Ratio Lower Upper

78 100

77 24.1 19.5 29.3

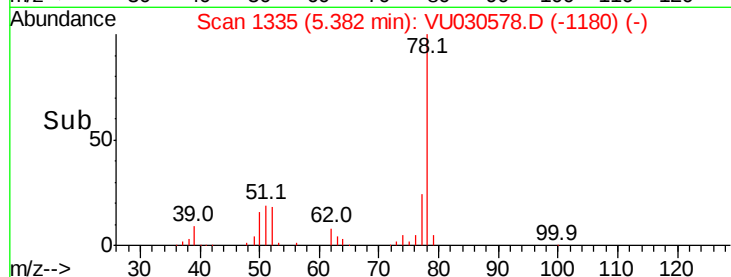
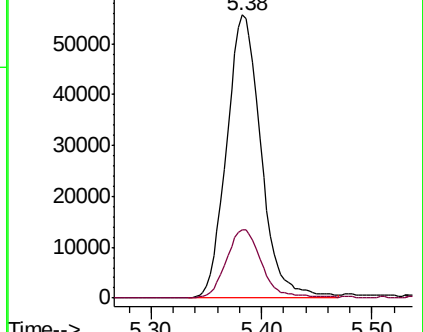
Manual Integrations

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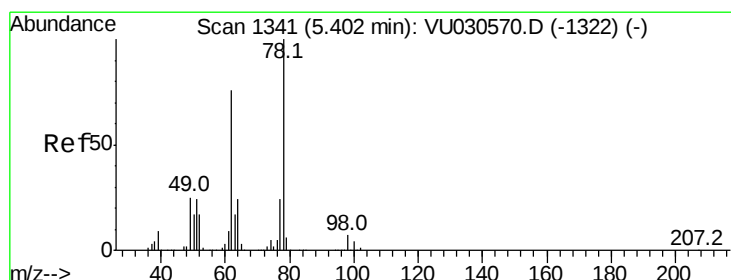
Abundance Ion 78.10 (77.80 to 78.80): VU030578.D (-1180) (-)

Ion 77.00 (76.70 to 77.70): VU030578.D (-1180) (-)



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#36

1,2-Dichloroethane

Concen: 1.947 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU030578.D

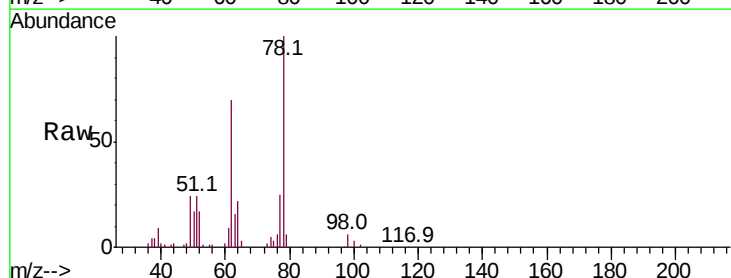
Acq: 30 Mar 2019 18:49

Tgt Ion: 62 Resp: 36802

Ion Ratio Lower Upper

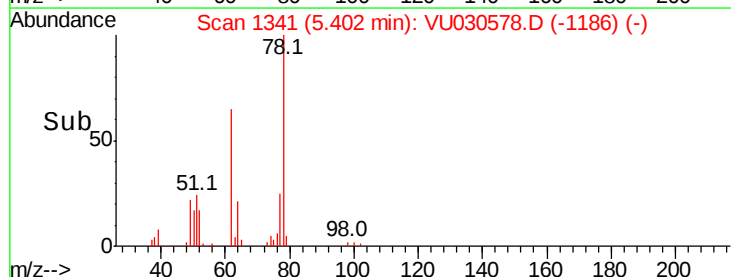
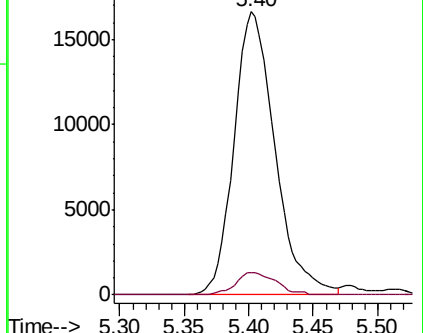
62 100

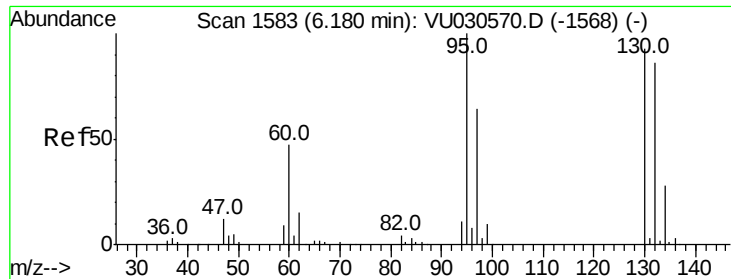
98 7.8 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VU030578.D (-1186) (-)

Ion 98.00 (97.70 to 98.70): VU030578.D (-1186) (-)



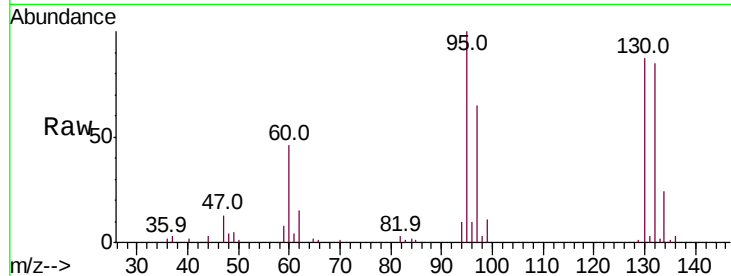


#37
 Trichloroethene
 Concen: 1.909 ug/l
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU030578.D
 Acq: 30 Mar 2019 18:49

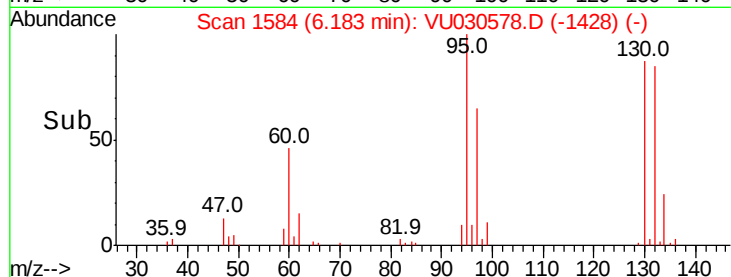
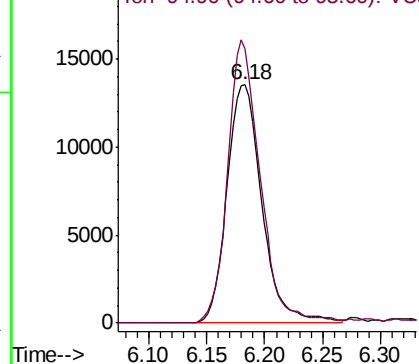
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0331WBS01

Tot Ion:130 Resp: 28335
 Ion Ratio Lower Upper
 130 100
 95 114.9 85.8 128.8

Manual Integrations
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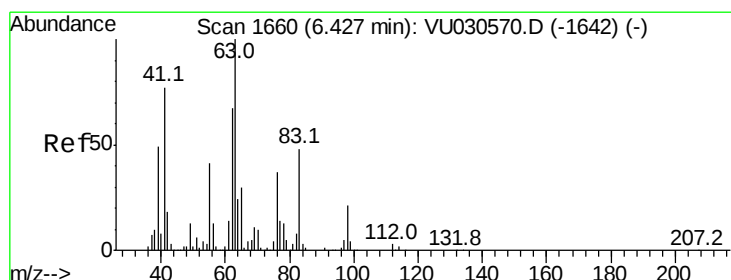


Abundance Ion 129.90 (129.60 to 130.60): VU030578.D (-1568) (-)
 Ion 94.90 (94.60 to 95.60): VU030578.D (-1568) (-)



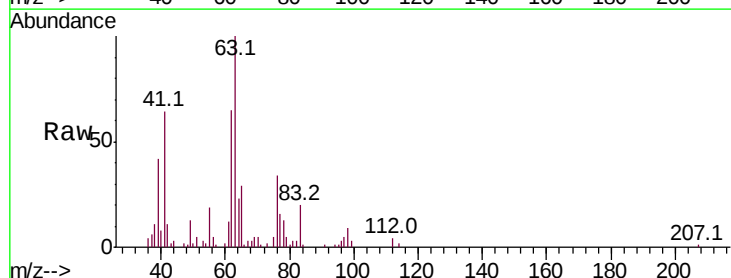
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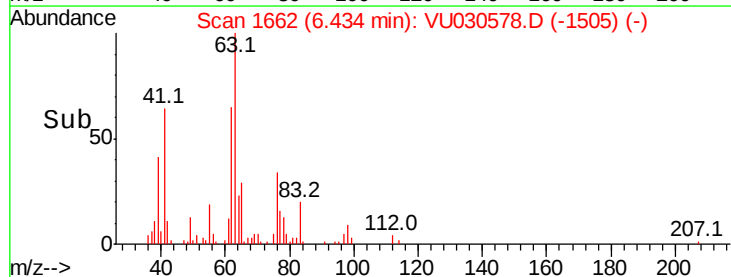
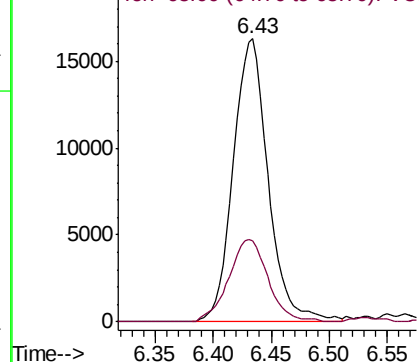


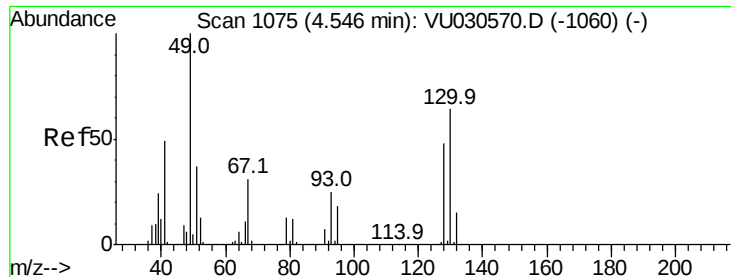
#38
 1,2-Dichloropropane
 Concen: 1.984 ug/l
 RT: 6.43 min Scan# 1662
 Delta R.T. 0.01 min
 Lab File: VU030578.D
 Acq: 30 Mar 2019 18:49

Tgt Ion: 63 Resp: 33998
 Ion Ratio Lower Upper
 63 100
 65 28.6 23.9 35.9



Abundance Ion 63.00 (62.70 to 63.70): VU030578.D (-1505) (-)
 Ion 65.00 (64.70 to 65.70): VU030578.D (-1505) (-)



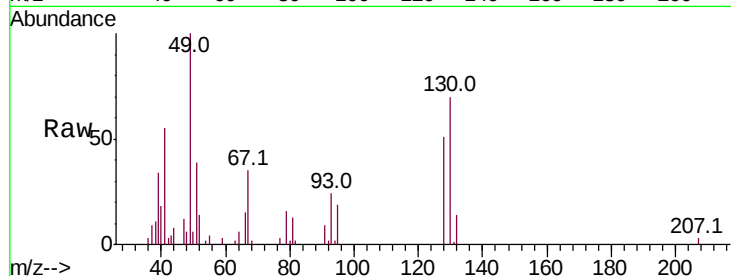


#39
Methacrylonitrile
Concen: 1.772 ug/l
RT: 4.56 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

Instrument :
MSVOA_U
ClientSampleId :
VU0331WBS01

Tot Ion:	41	Resp:	9857
Ion	Ratio	Lower	Upper
41	100		
67	71.8	50.2	75.4
39	54.3	40.7	61.1
52	31.4	23.0	34.4

Manual Integrations
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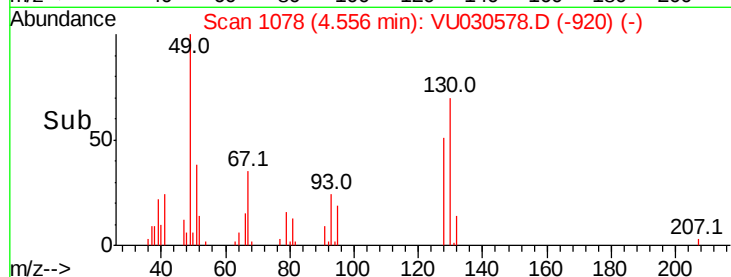
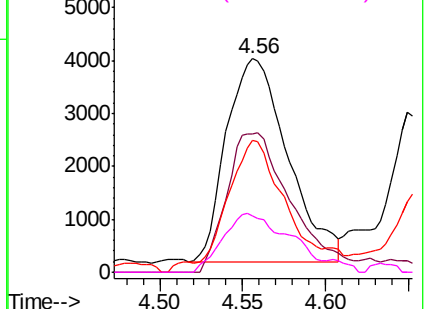
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

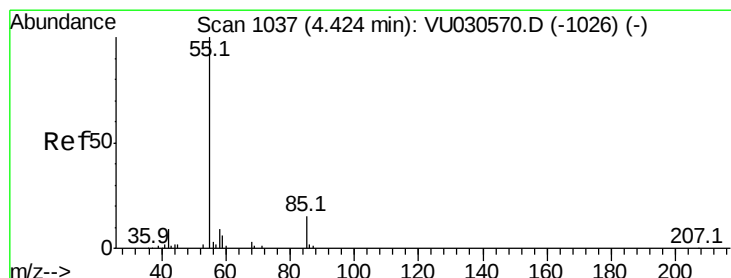
Ion 39.00 (38.70 to 39.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



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#40
Methyl acrylate
Concen: 1.907 ug/l
RT: 4.44 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

Tgt Ion:	55	Resp:	14509
Ion	Ratio	Lower	Upper
55	100		
85	0.0	12.5	18.7#
58	5.0	6.3	9.5#
42	9.0	7.4	11.2

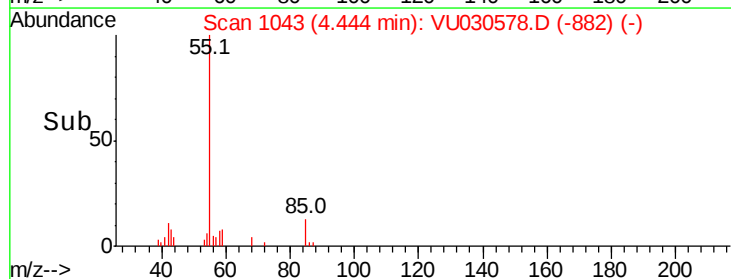
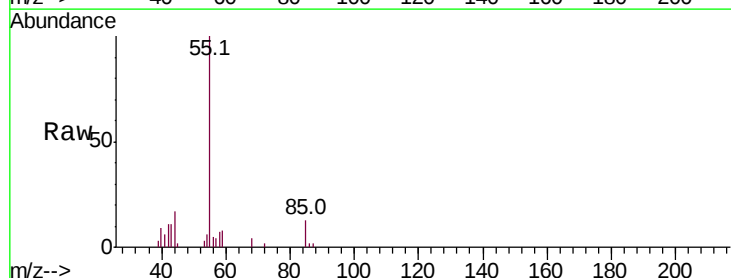
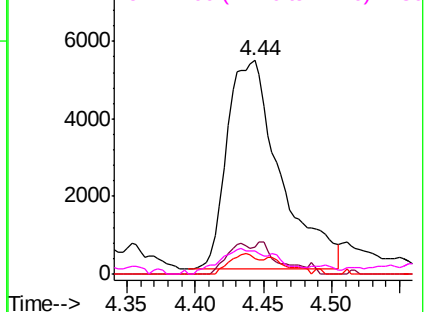
Abundance

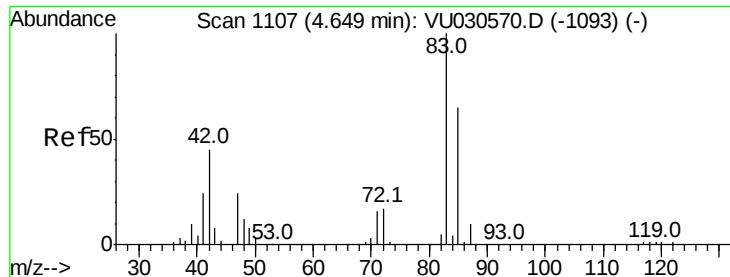
Ion 55.00 (54.70 to 55.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 42.00 (41.70 to 42.70): VU0



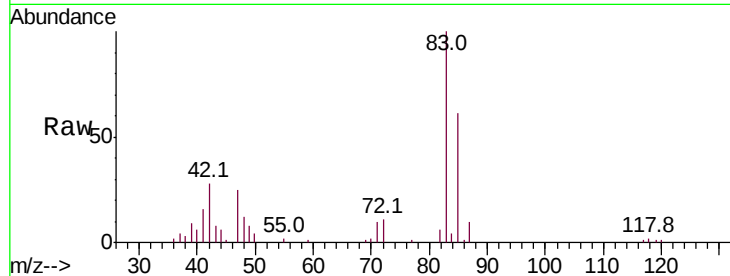


#41
Tetrahydrofuran
Concen: 3.810 ug/l
RT: 4.66 min Scan# 1109
Delta R.T. 0.01 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

Instrument :
MSVOA_U
ClientSampleId :
VU0331WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	33.4	50.0
71	35.9	28.8	43.2

Manual Integrations
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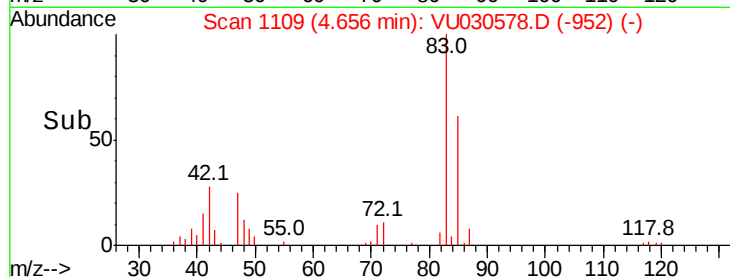
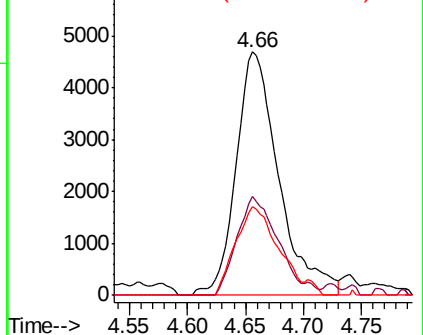


Abundance

Ion 42.00 (41.70 to 42.70): VU0

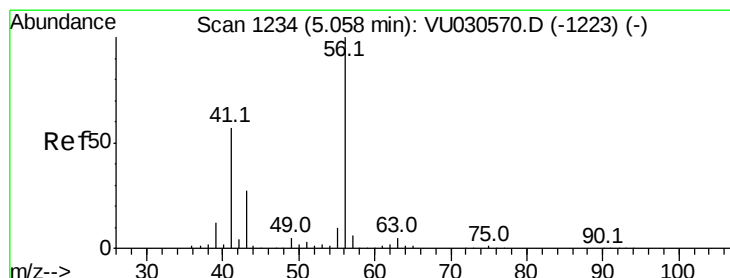
Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



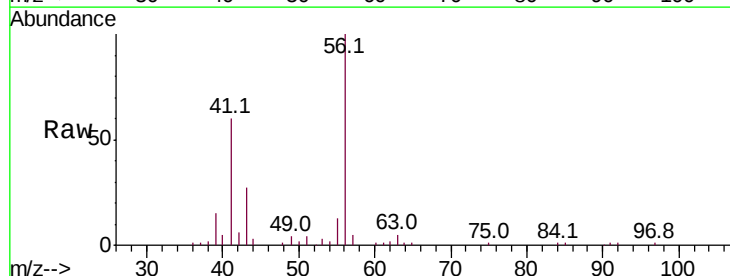
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#42
1-Chlorobutane
Concen: 1.845 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

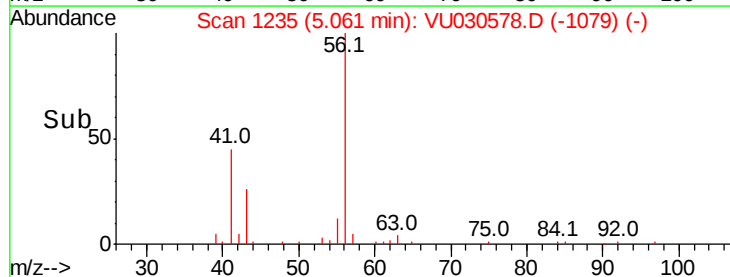
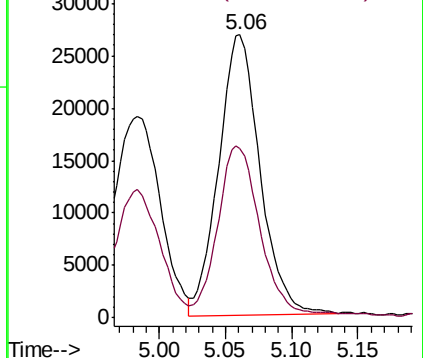
Tgt Ion	Ratio	Lower	Upper
56	100		
41	59.1	28.5	85.6

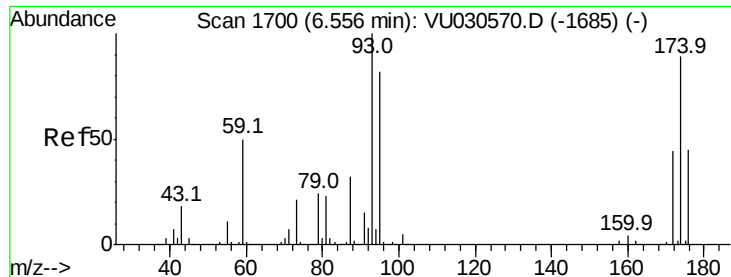


Abundance

Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 2.049 ug/l

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VU030578.D

Acq: 30 Mar 2019 18:49

Instrument :

MSVOA_U

ClientSampleId :

VU0331WBS01

Tot Ion: 93 Resp: 15924

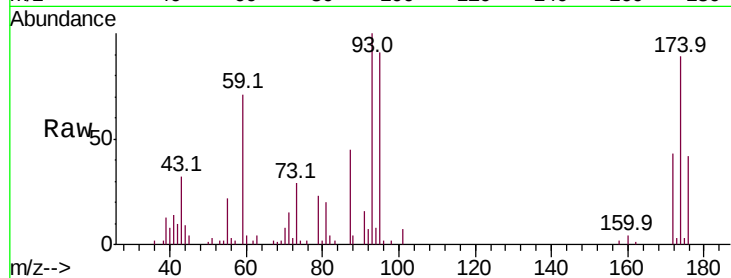
Ion Ratio Lower Upper

93 100

95 85.5 63.9 95.9

174 87.9 71.0 106.4

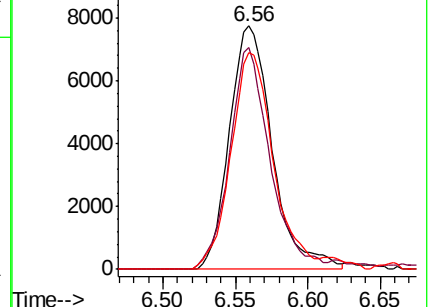
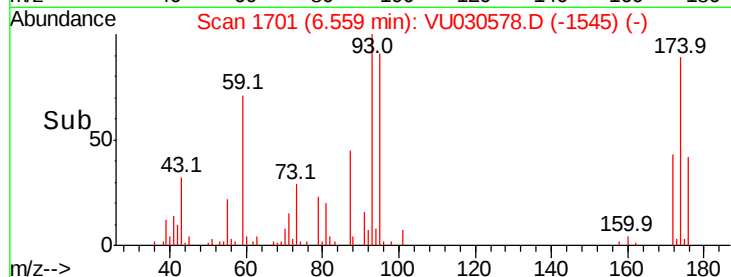
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Abundance Ion 93.00 (92.70 to 93.70): VU030578.D (-1685) (-)

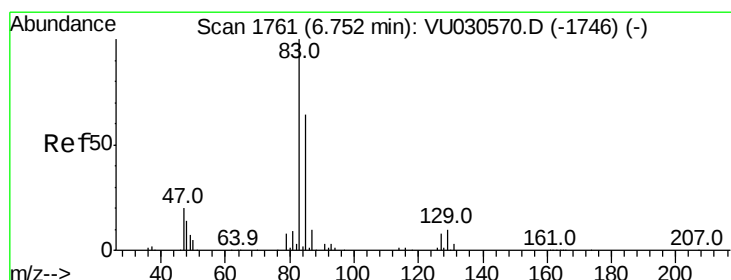
Ion 95.00 (94.70 to 95.70): VU030578.D (-1685) (-)

Ion 174.00 (173.70 to 174.70): VU030578.D (-1685) (-)



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#44

Bromodichloromethane

Concen: 1.962 ug/l

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU030578.D

Acq: 30 Mar 2019 18:49

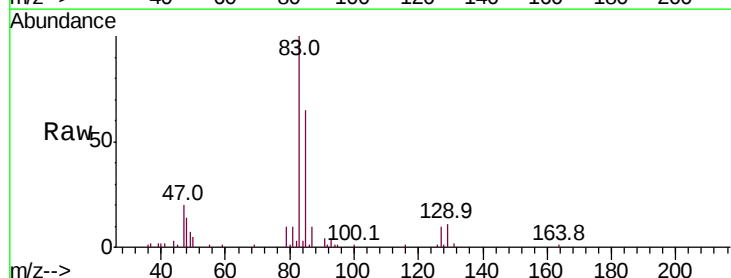
Tgt Ion: 83 Resp: 40361

Ion Ratio Lower Upper

83 100

85 65.5 51.1 76.7

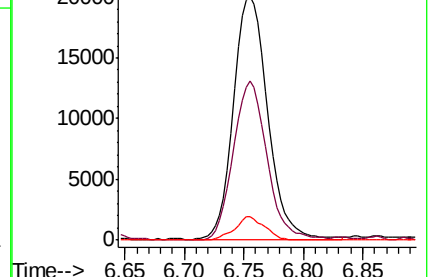
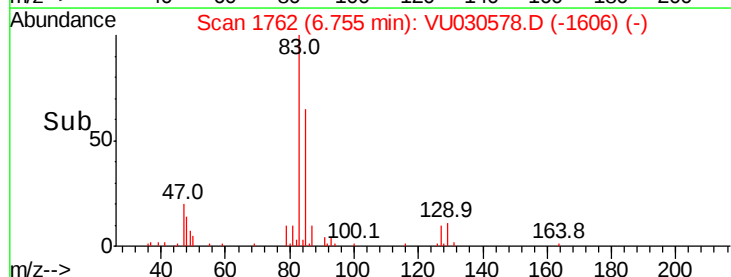
127 9.7 6.1 9.1#

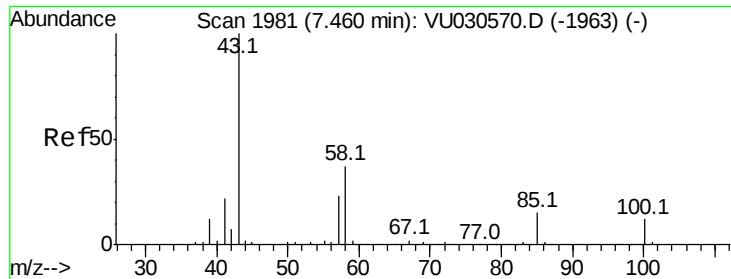


Abundance Ion 83.00 (82.70 to 83.70): VU030578.D (-1746) (-)

Ion 85.00 (84.70 to 85.70): VU030578.D (-1746) (-)

Ion 127.00 (126.70 to 127.70): VU030578.D (-1746) (-)



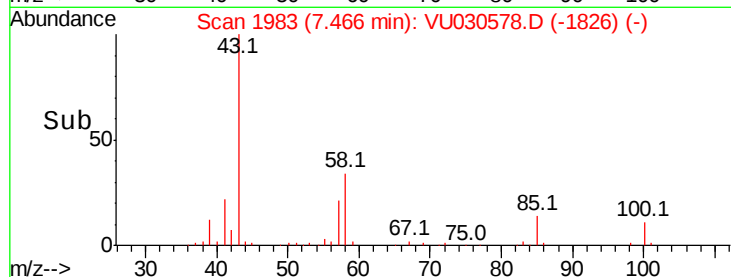
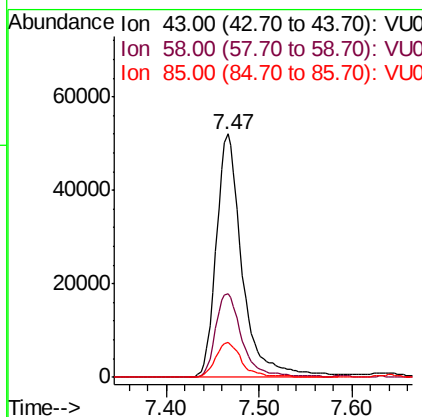
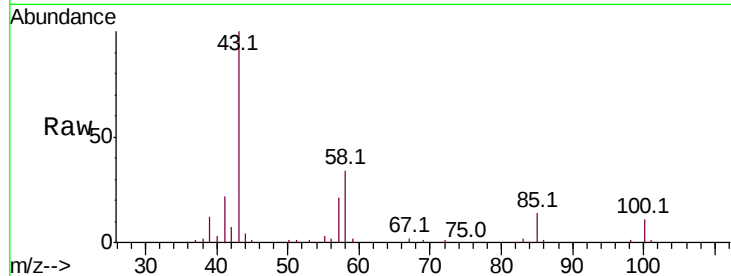


#45
4-Methyl-2-Pentanone
Concen: 9.530 ug/l
RT: 7.47 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

Instrument :
MSVOA_U
ClientSampleId :
VU0331WBS01

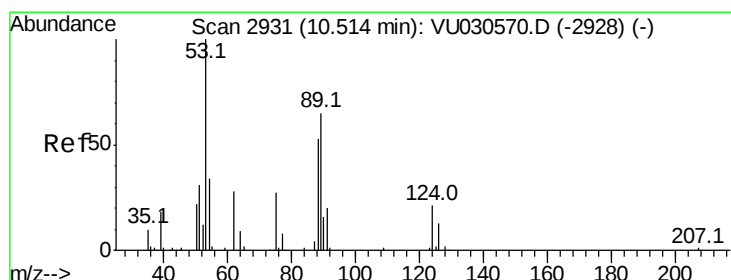
Tot Ion	Ratio	Lower	Upper
43	100		
58	34.9	18.6	55.8
85	14.5	11.8	17.6

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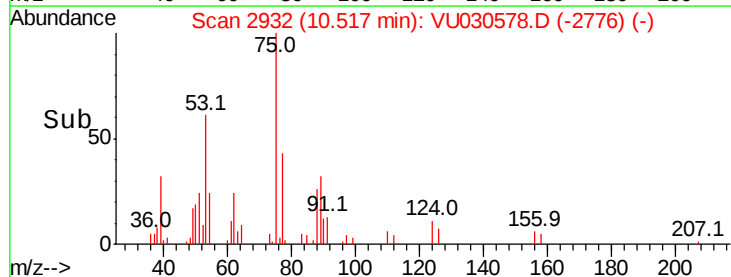
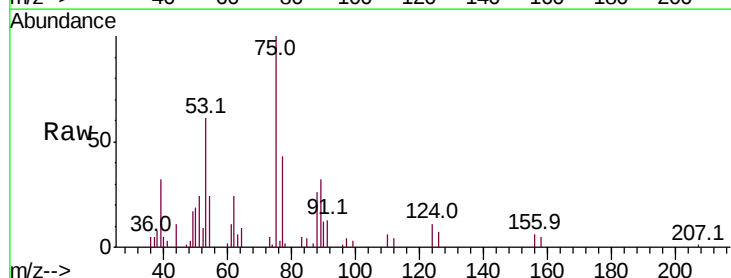
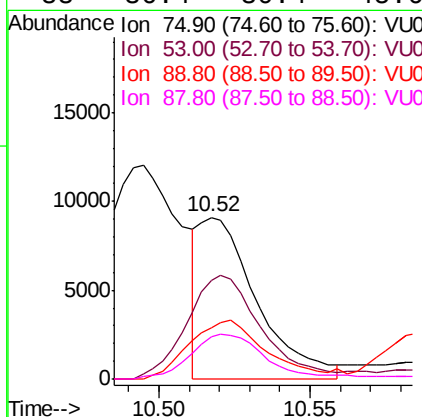
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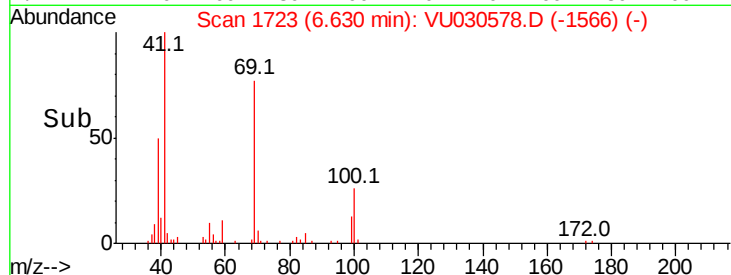
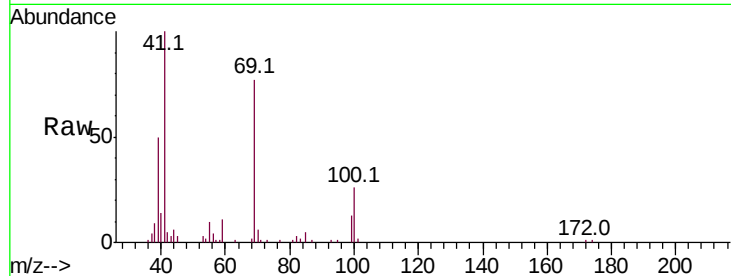
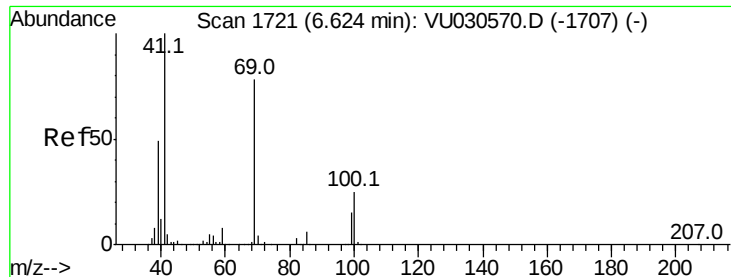
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#46
t-1,4-Dichloro-2-butene
Concen: 3.540 ug/l m
RT: 10.52 min Scan# 2932
Delta R.T. 0.00 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

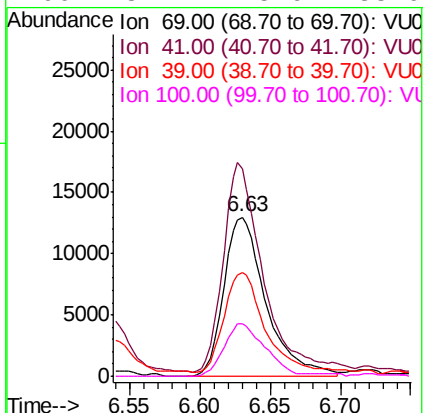
Tgt Ion	Ratio	Lower	Upper
75	100		
53	81.8	63.4	95.2
89	47.5	39.1	58.7
88	36.4	30.4	45.6





#47
Methyl methacrylate
Concen: 4.100 ug/l
RT: 6.63 min Scan# 1723
Delta R.T. 0.01 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	125.8	0.0	258.0		
39	60.2	51.0	76.4		
100	32.2	25.9	38.9		

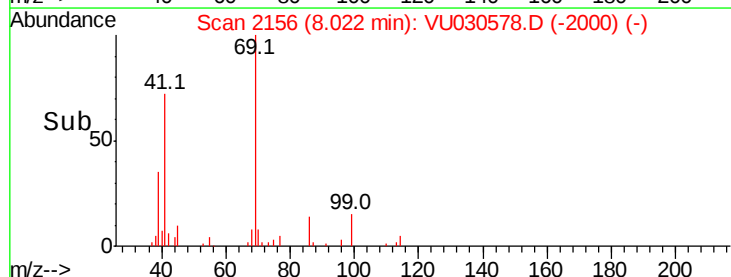
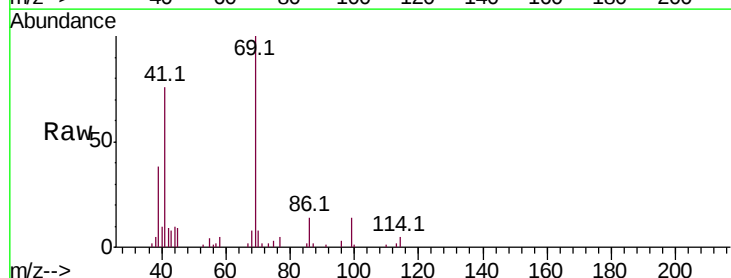
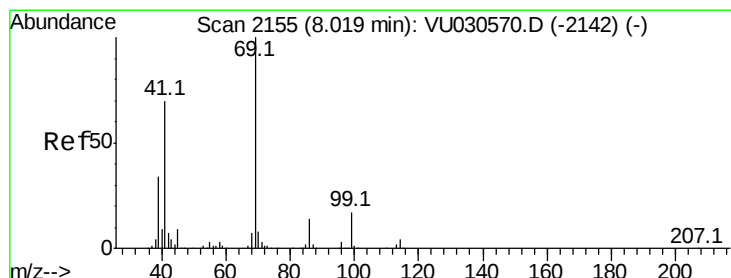


Instrument :
MSVOA_U
ClientSampleId :
VU0331WBS01

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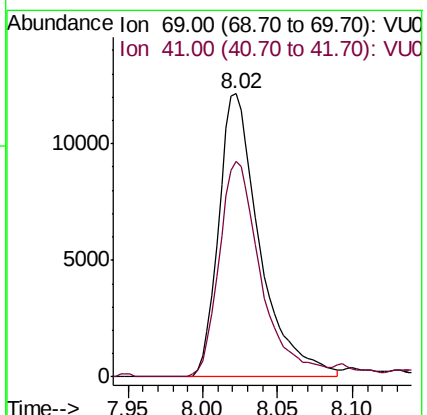
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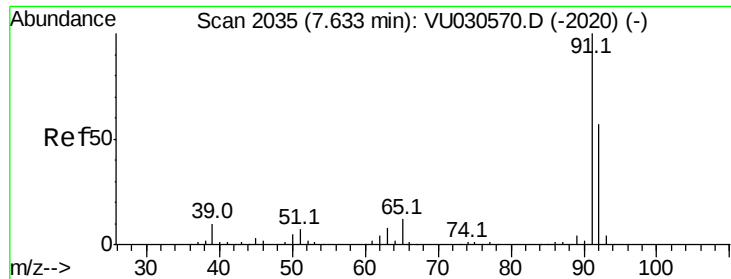
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#48
Ethyl methacrylate
Concen: 1.801 ug/l
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	77.1	36.1	108.5		





#49

Toluene

Concen: 1.851 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030578.D

Acq: 30 Mar 2019 18:49

Instrument :

MSVOA_U

ClientSampleId :

VU0331WBS01

Tot Ion: 92 Resp: 62747

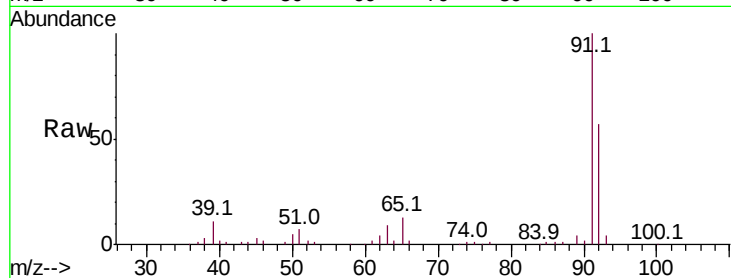
Ion Ratio Lower Upper

92 100

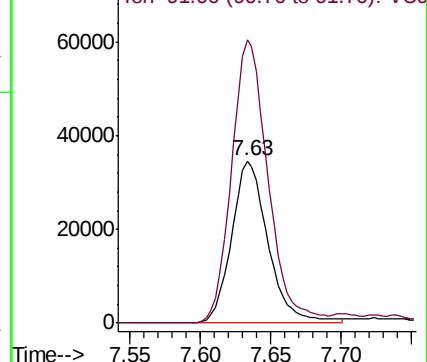
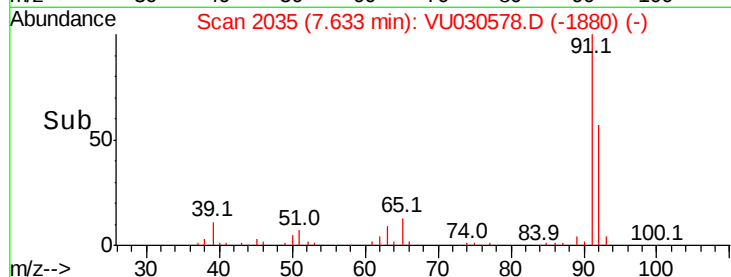
91 174.6 140.2 210.4

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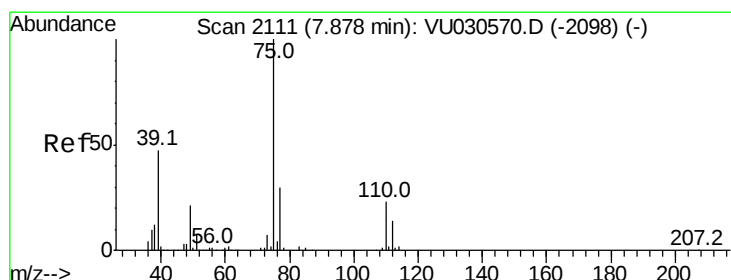


Abundance Ion 92.00 (91.70 to 92.70): VU030578.D (-1880) (-)



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#50

t-1,3-Dichloropropene

Concen: 1.856 ug/l

RT: 7.88 min Scan# 2113

Delta R.T. 0.01 min

Lab File: VU030578.D

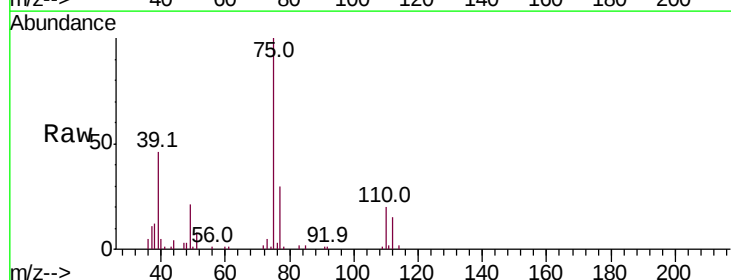
Acq: 30 Mar 2019 18:49

Tgt Ion: 75 Resp: 31980

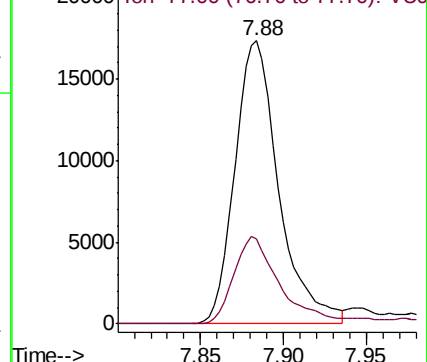
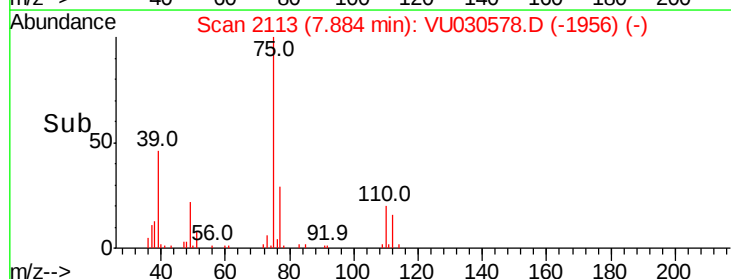
Ion Ratio Lower Upper

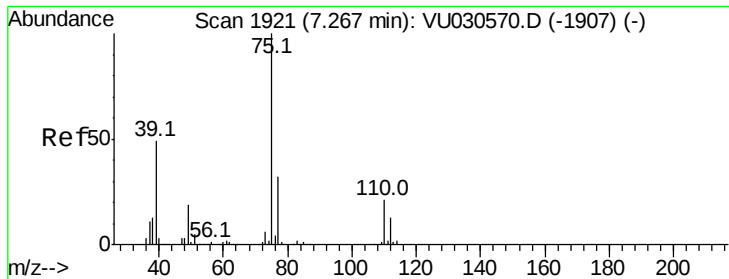
75 100

77 30.0 24.4 36.6



Abundance Ion 75.00 (74.70 to 75.70): VU030578.D (-1956) (-)





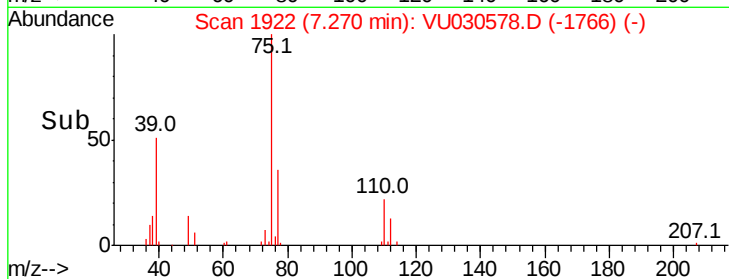
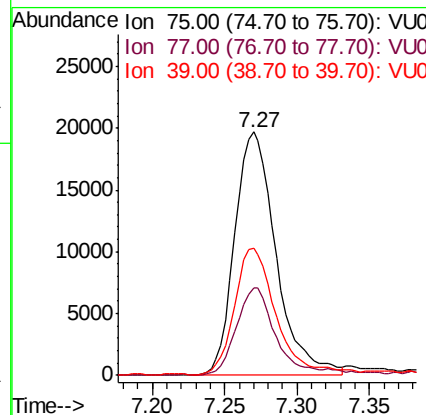
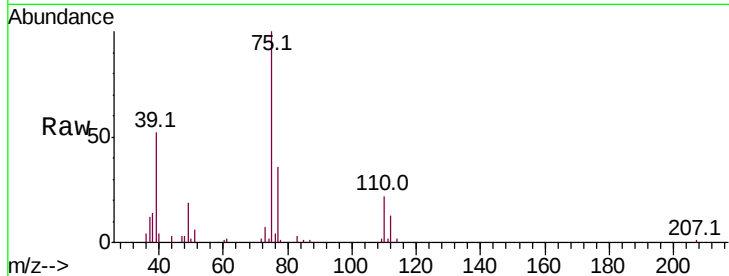
#51

cis-1,3-Dichloropropene
 Concen: 1.825 ug/l
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU030578.D
 Acq: 30 Mar 2019 18:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0331WBS01

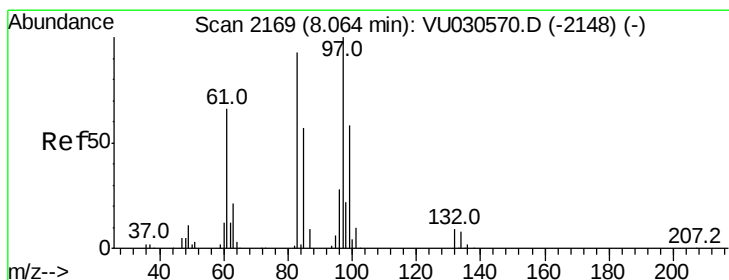
Tot Ion	Ratio	Lower	Upper
75	100		
77	35.9	25.8	38.6
39	52.2	39.3	58.9

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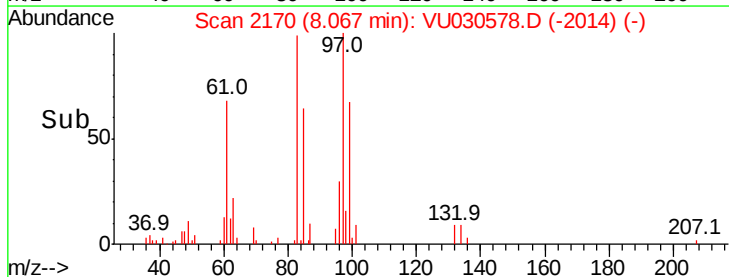
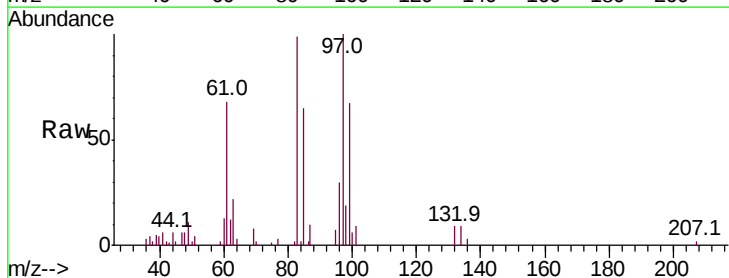
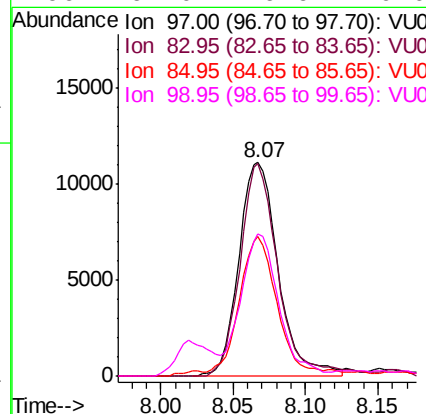
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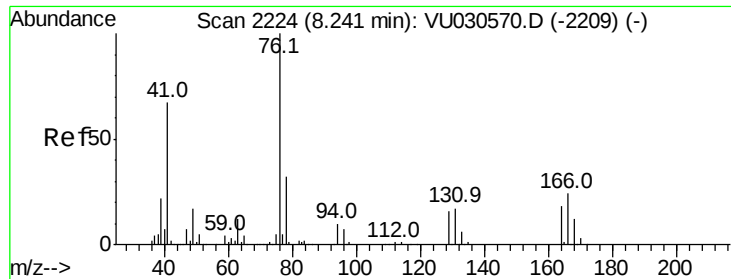


#52

1,1,2-Trichloroethane
 Concen: 1.980 ug/l
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU030578.D
 Acq: 30 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
97	100		
83	99.3	74.3	111.5
85	63.2	45.4	68.0
99	64.0	46.6	70.0





#53

1,3-Dichloropropane

Concen: 1.949 ug/l

RT: 8.24 min Scan# 2225

Delta R.T. 0.00 min

Lab File: VU030578.D

Acq: 30 Mar 2019 18:49

Instrument :

MSVOA_U

ClientSampleId :

VU0331WBS01

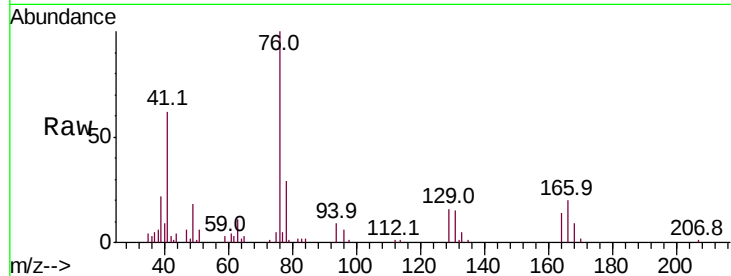
Tot Ion: 76 Resp: 37756

Ion Ratio Lower Upper

76 100

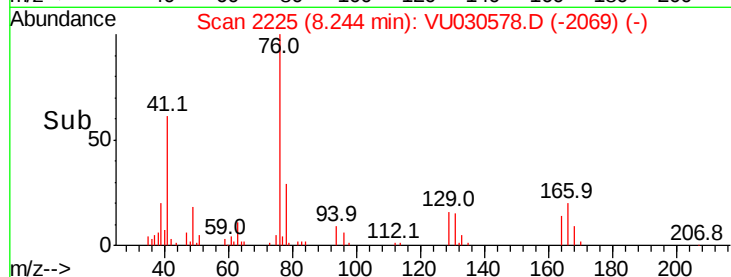
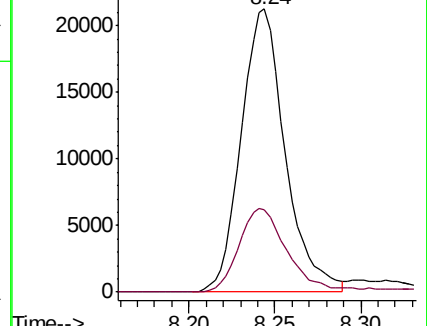
78 32.6 25.3 37.9

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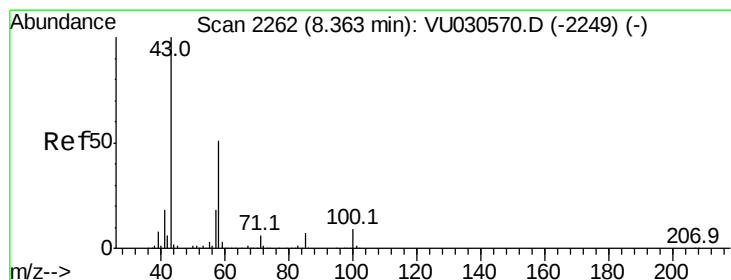
Abundance Ion 76.00 (75.70 to 76.70): VU030578.D (-2209) (-)

Ion 78.00 (77.70 to 78.70): VU030578.D (-2209) (-)



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#54

2-Hexanone

Concen: 9.192 ug/l

RT: 8.37 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VU030578.D

Acq: 30 Mar 2019 18:49

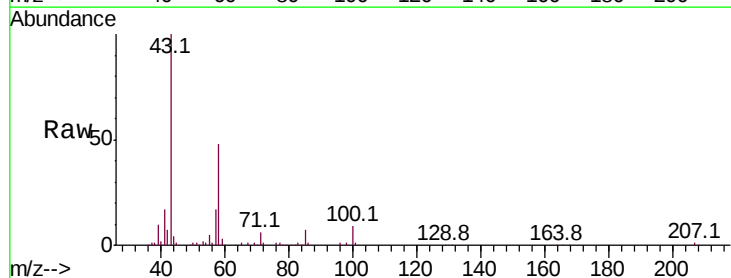
Tgt Ion: 43 Resp: 66341

Ion Ratio Lower Upper

43 100

58 48.7 32.5 72.5

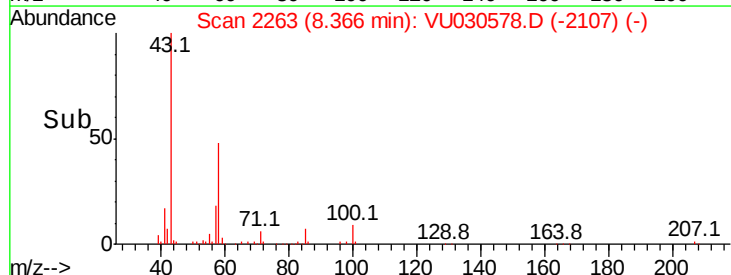
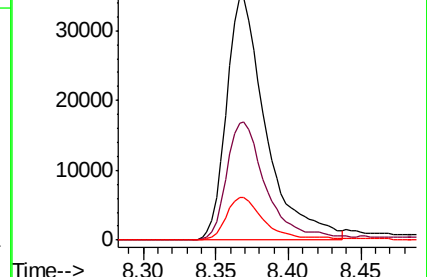
57 17.1 0.0 37.6

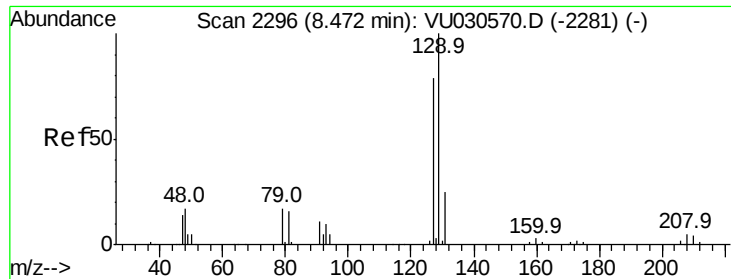


Abundance Ion 43.00 (42.70 to 43.70): VU030578.D (-2249) (-)

Ion 58.00 (57.70 to 58.70): VU030578.D (-2249) (-)

Ion 57.00 (56.70 to 57.70): VU030578.D (-2249) (-)



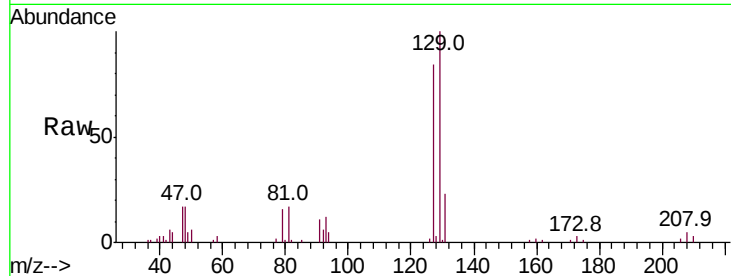


#55
Dibromochloromethane
Concen: 2.035 ug/l
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

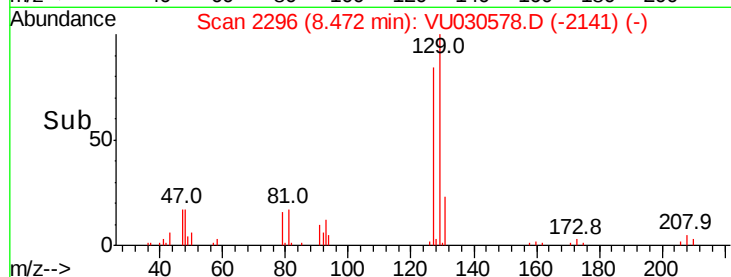
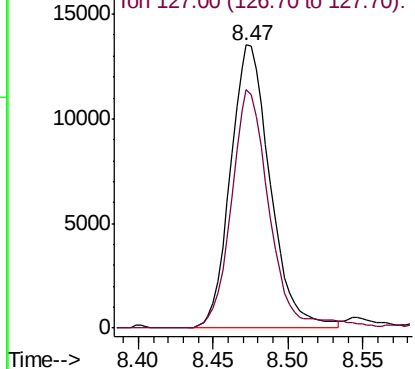
Instrument :
MSVOA_U
ClientSampleId :
VU0331WBS01

Tot Ion	Ratio	Lower	Upper
129	100		
127	80.8	62.2	93.4

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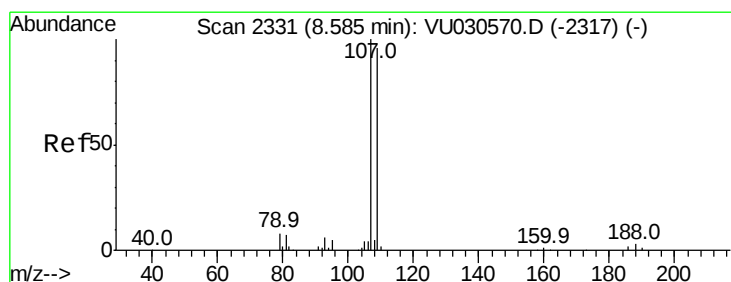


Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



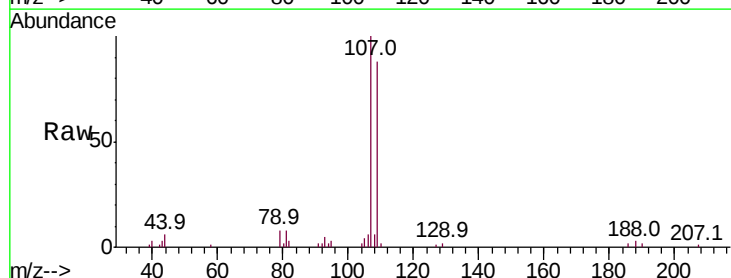
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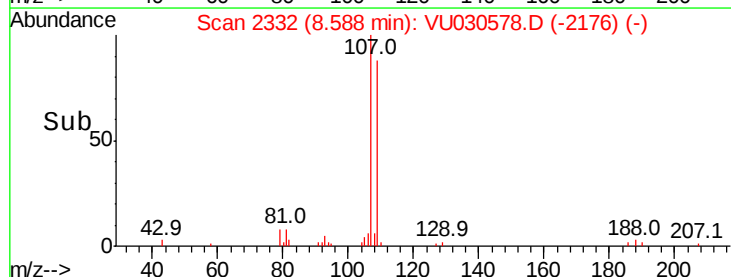
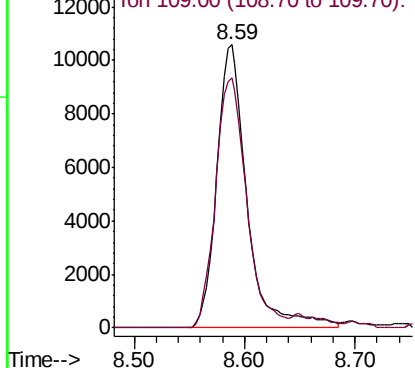


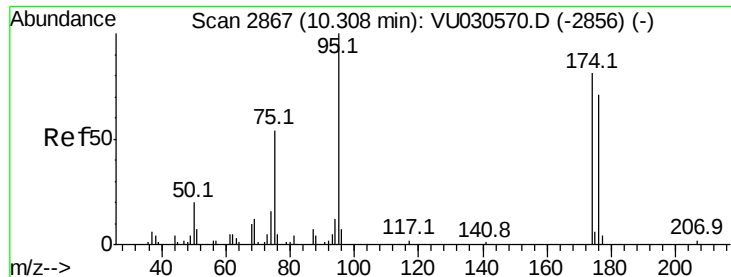
#56
1,2-Dibromoethane
Concen: 2.051 ug/l
RT: 8.59 min Scan# 2332
Delta R.T. 0.00 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
107	100		
109	90.5	0.0	190.0



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



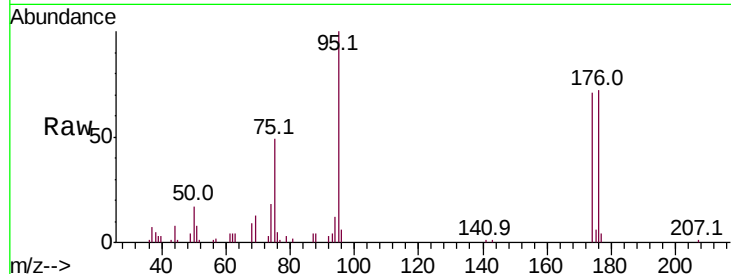


#57
4-Bromofluorobenzene
Concen: 2.051 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. -0.00 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

Instrument :
MSVOA_U
ClientSampleId :
VU0331WBS01

Tot Ion	Ratio	Lower	Upper
95	100		
174	72.9	60.5	90.7
176	66.7	57.9	86.9

Manual Integrations
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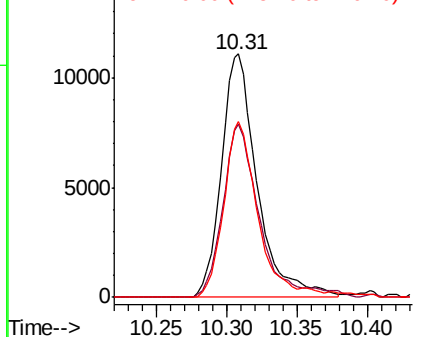


Abundance

Ion 95.00 (94.70 to 95.70): VU030578.D (-2856) (-)

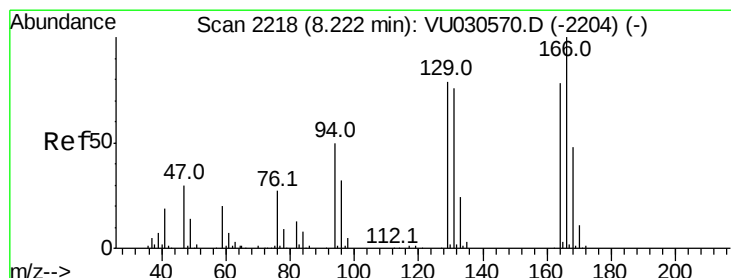
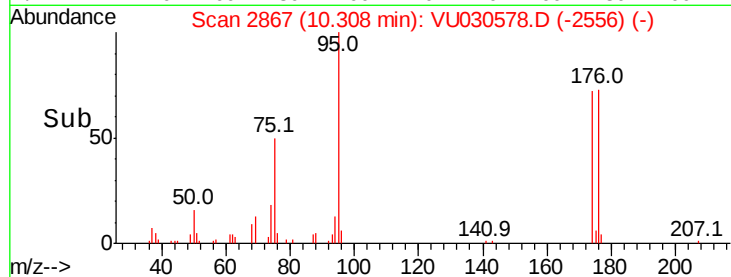
Ion 174.00 (173.70 to 174.70): VU030578.D (-2856) (-)

Ion 176.00 (175.70 to 176.70): VU030578.D (-2856) (-)



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#58
Tetrachloroethene
Concen: 1.954 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	102.4	153.6
129	99.6	81.4	122.0
131	94.3	77.7	116.5

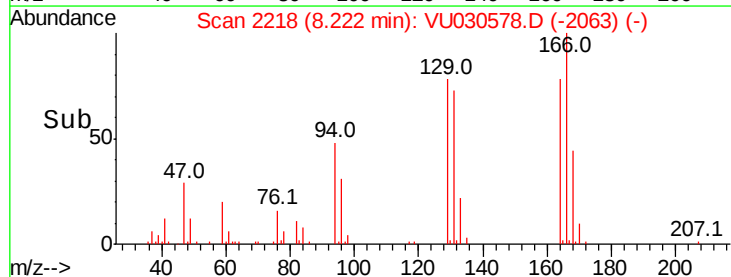
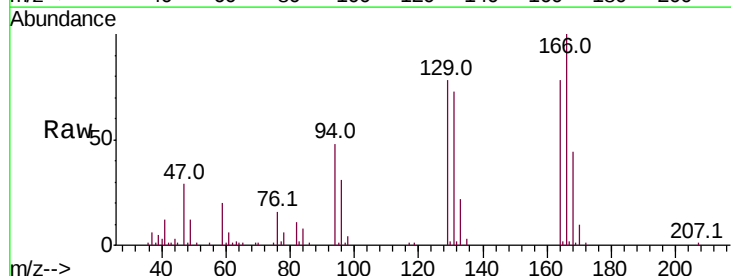
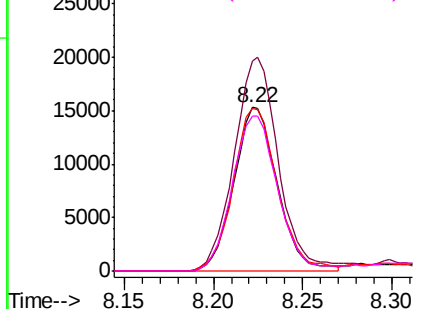
Abundance

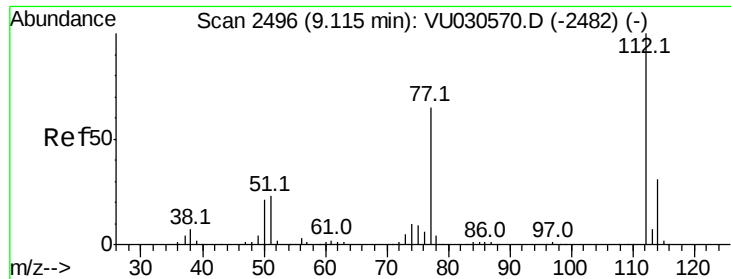
Ion 163.85 (163.55 to 164.55): VU030578.D (-2063) (-)

Ion 165.80 (165.50 to 166.50): VU030578.D (-2063) (-)

Ion 128.90 (128.60 to 129.60): VU030578.D (-2063) (-)

Ion 130.90 (130.60 to 131.60): VU030578.D (-2063) (-)



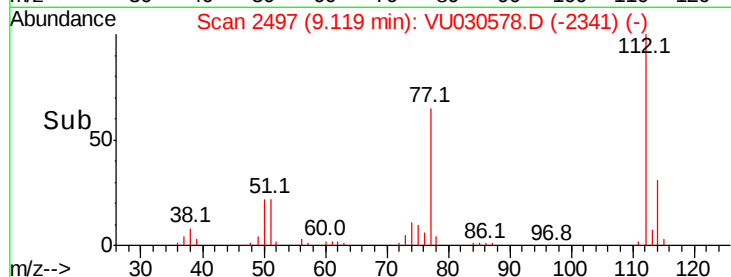
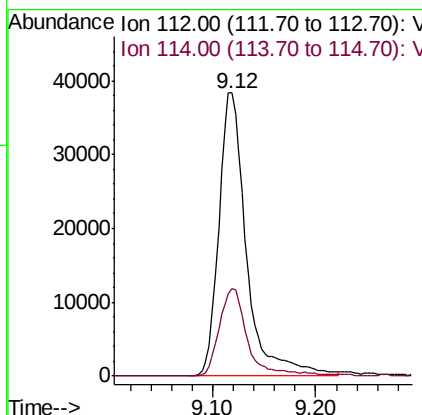
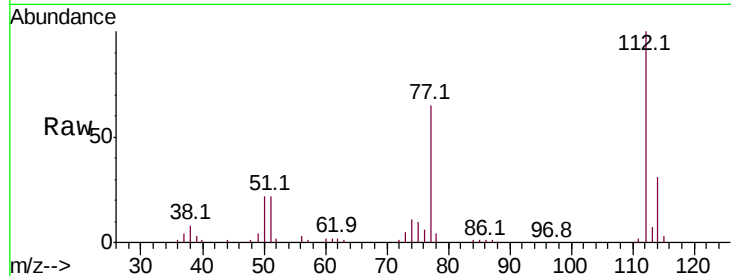


#59
Chlorobenzene
Concen: 1.953 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

Instrument :
MSVOA_U
ClientSampleId :
VU0331WBS01

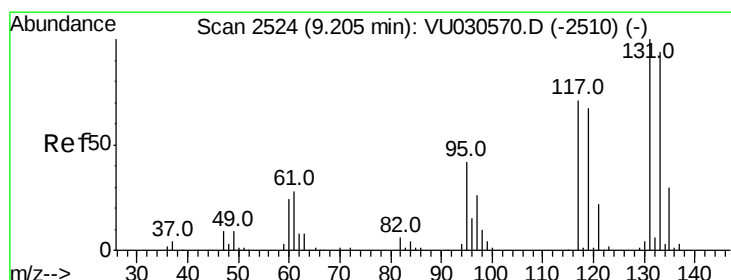
Tot Ion:112 Resp: 71570
Ion Ratio Lower Upper
112 100
114 31.1 24.9 37.3

Manual Integrations
APPROVED



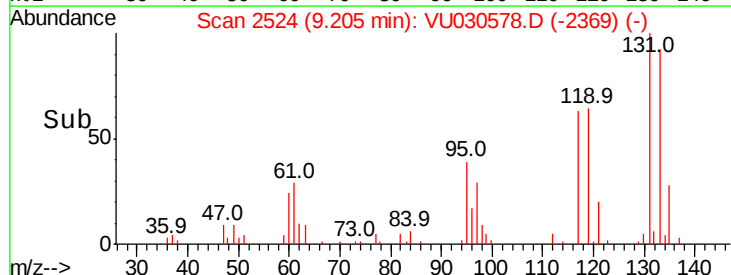
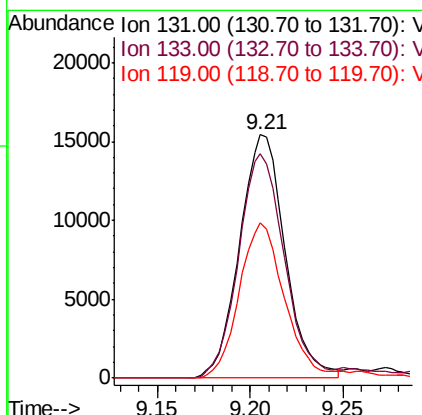
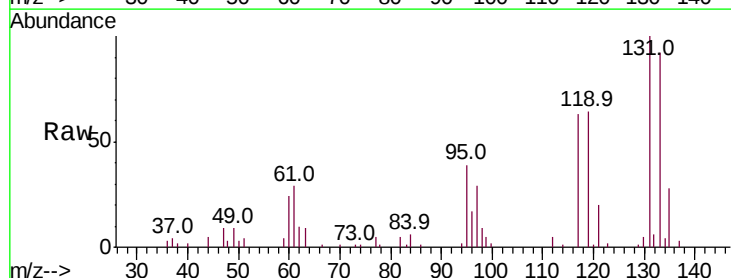
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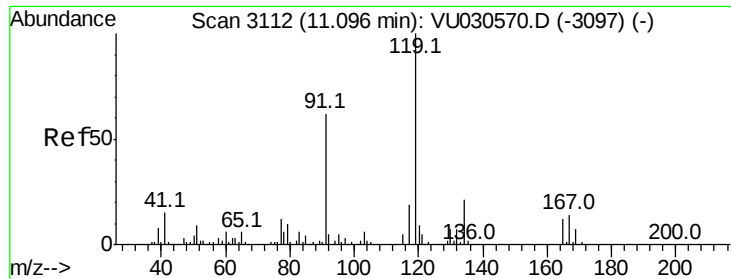
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#60
1,1,1,2-Tetrachloroethane
Concen: 1.939 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

Tgt Ion:131 Resp: 26320
Ion Ratio Lower Upper
131 100
133 92.6 77.5 116.3
119 63.7 53.2 79.8



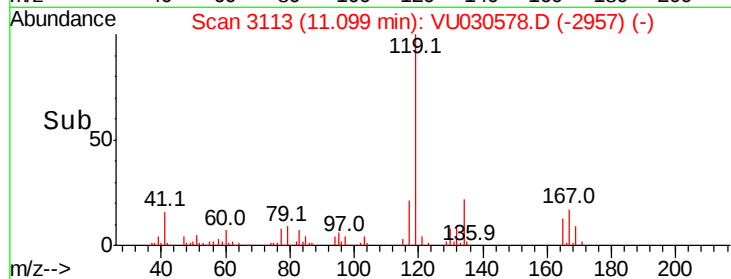
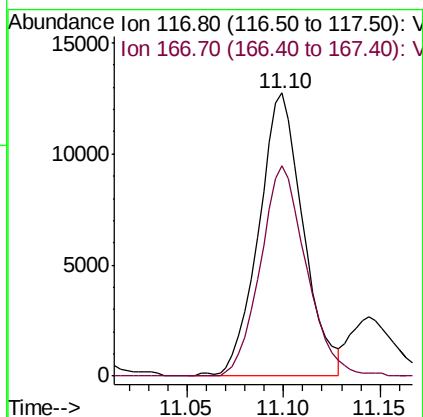
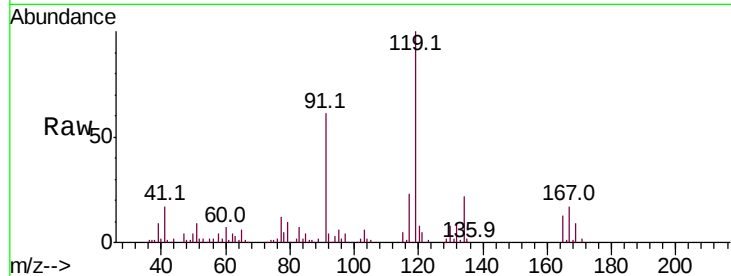


#61
 Pentachloroethane
 Concen: 1.944 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU030578.D
 Acq: 30 Mar 2019 18:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0331WBS01

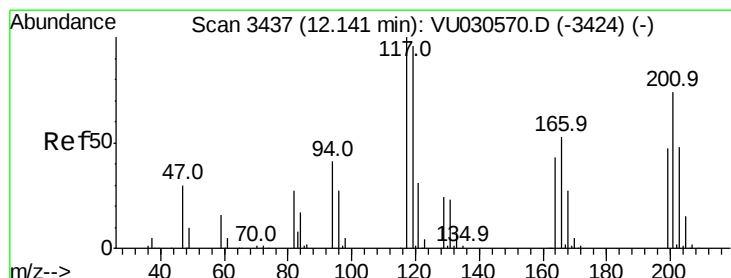
Tot Ion	Ratio	Lower	Upper
117	100		
167	76.6	62.6	93.8

Manual Integrations
 APPROVED



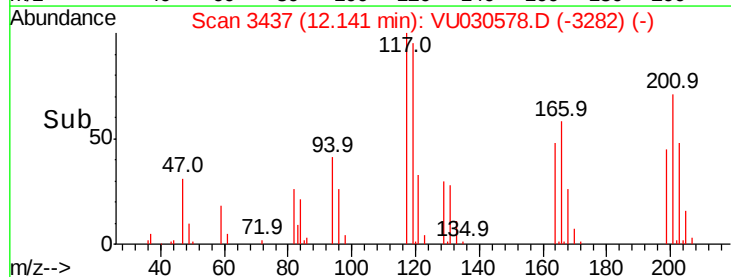
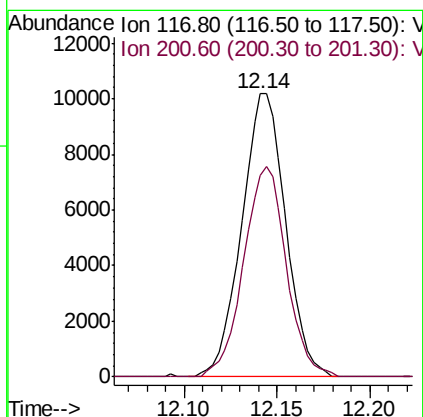
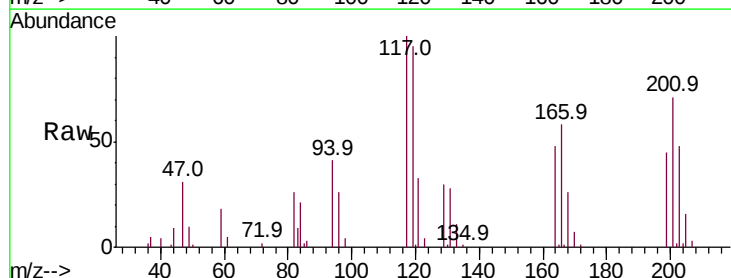
MMDadoda

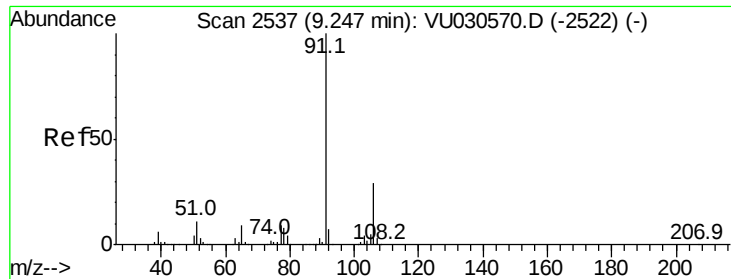
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#62
 Hexachloroethane
 Concen: 1.844 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. -0.00 min
 Lab File: VU030578.D
 Acq: 30 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.3	59.1	88.7





#63

Ethyl Benzene

Concen: 1.754 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU030578.D

Acq: 30 Mar 2019 18:49

Instrument :

MSVOA_U

ClientSampleId :

VU0331WBS01

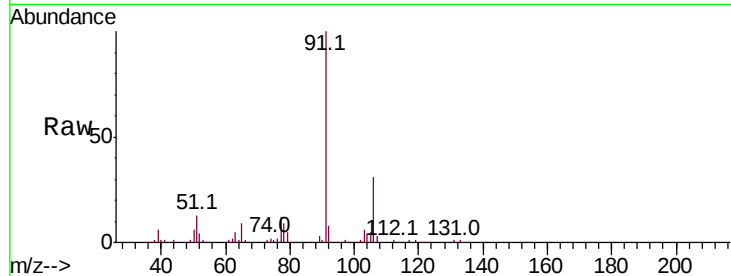
Tot Ion: 91 Resp: 114069

Ion Ratio Lower Upper

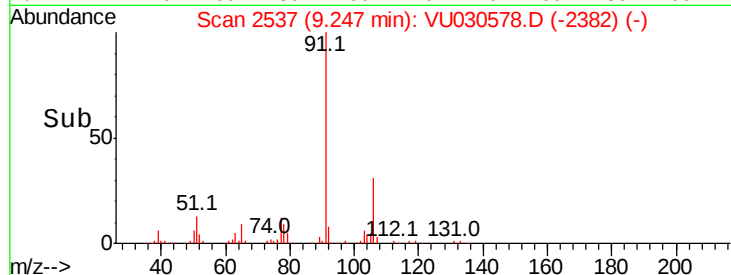
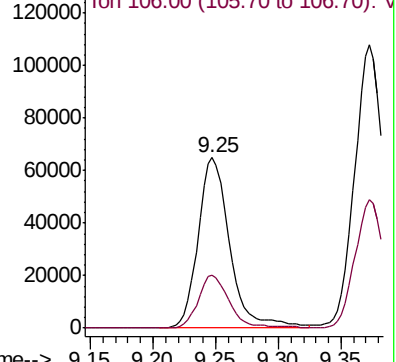
91 100

106 31.1 23.1 34.7

Manual Integrations
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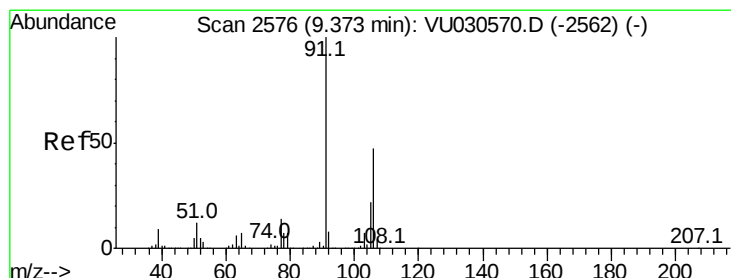


Abundance Ion 91.00 (90.70 to 91.70): VU030578.D (-2382) (-)



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#64

m/p-Xylenes

Concen: 3.524 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU030578.D

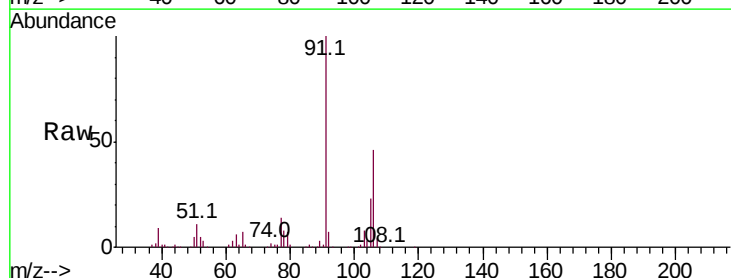
Acq: 30 Mar 2019 18:49

Tgt Ion: 106 Resp: 83846

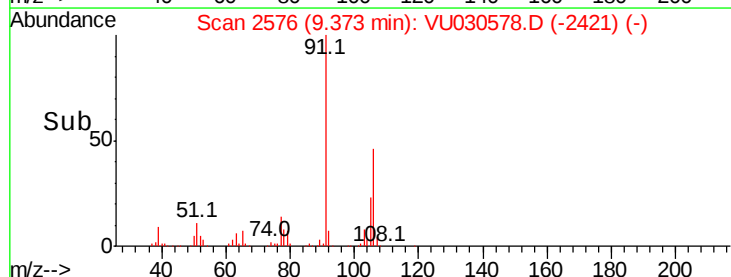
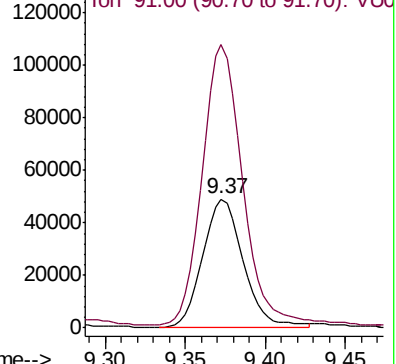
Ion Ratio Lower Upper

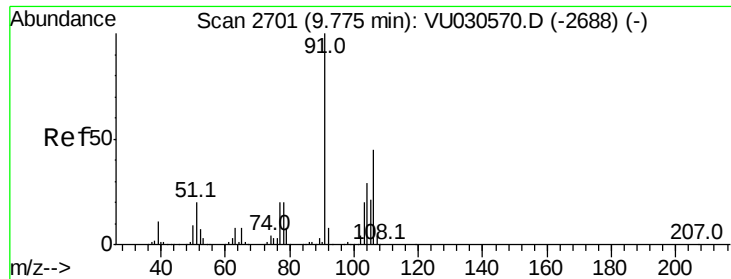
106 100

91 223.6 179.4 269.0



Abundance Ion 106.00 (105.70 to 106.70): VU030578.D (-2421) (-)



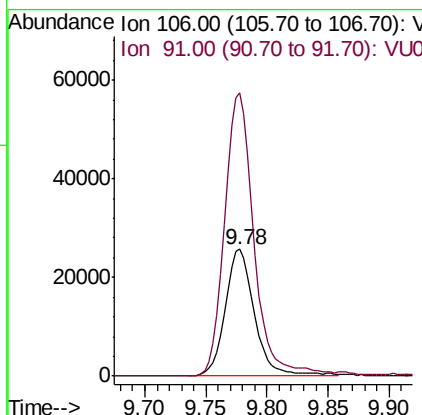
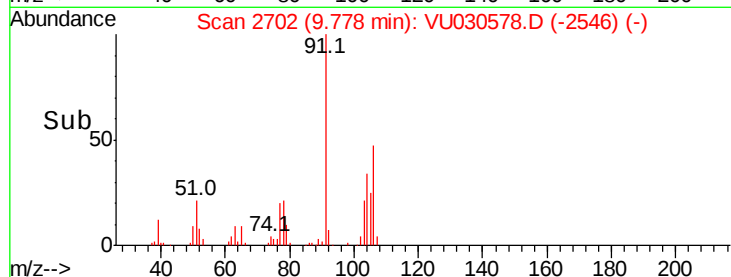
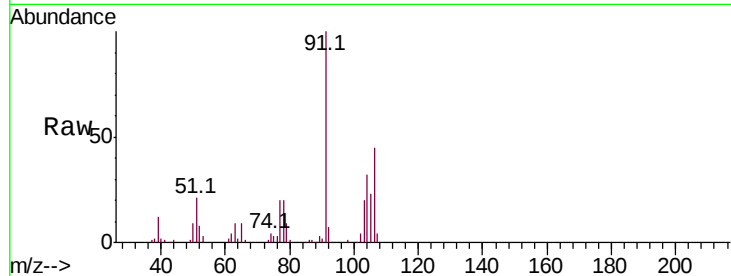


#65
o-Xylene
Concen: 1.900 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

Instrument :
MSVOA_U
ClientSampleId :
VU0331WBS01

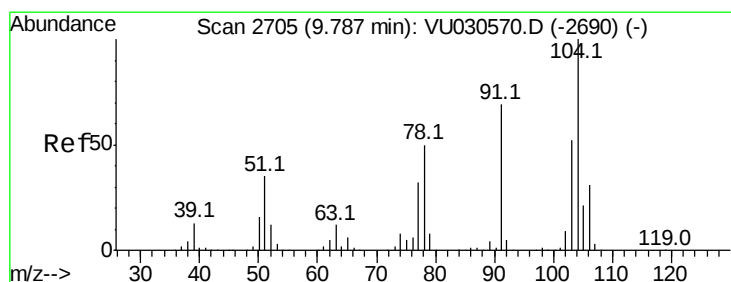
Tot Ion:106 Resp: 43462
Ion Ratio Lower Upper
106 100
91 223.9 115.5 346.4

Manual Integrations
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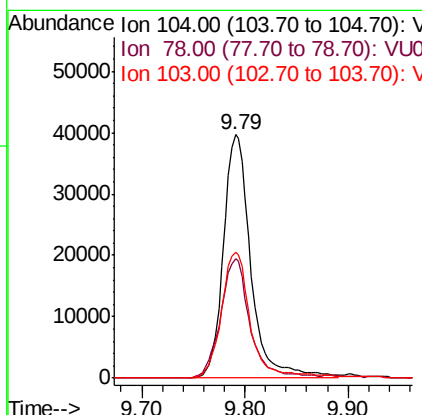
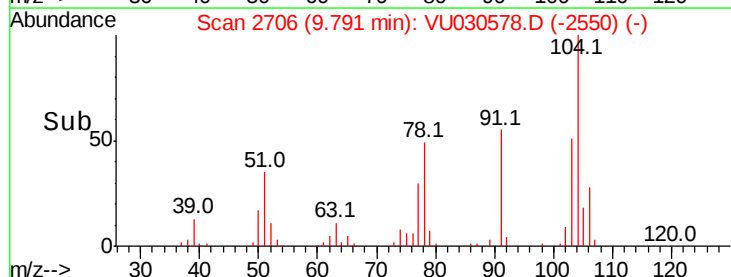
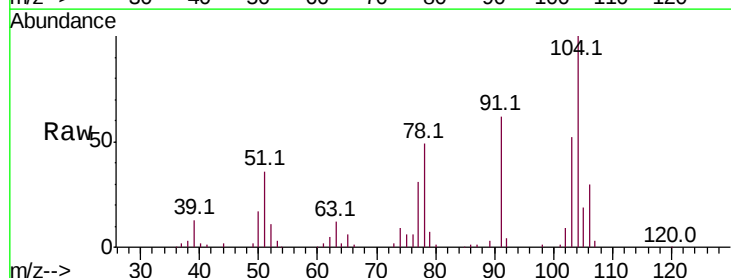
MMDadoda

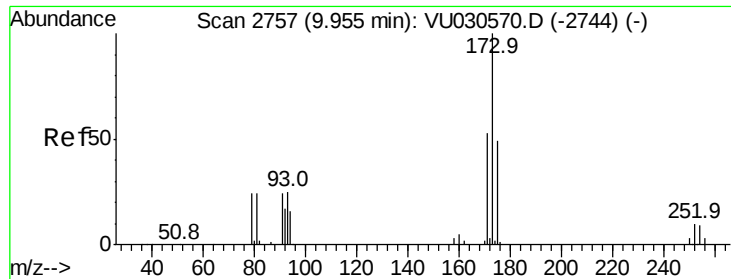
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#66
Styrene
Concen: 1.911 ug/l
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

Tgt Ion:104 Resp: 73688
Ion Ratio Lower Upper
104 100
78 52.6 42.3 63.5
103 55.1 44.7 67.1





#67

Bromoform

Concen: 2.107 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU030578.D

Acq: 30 Mar 2019 18:49

Instrument :

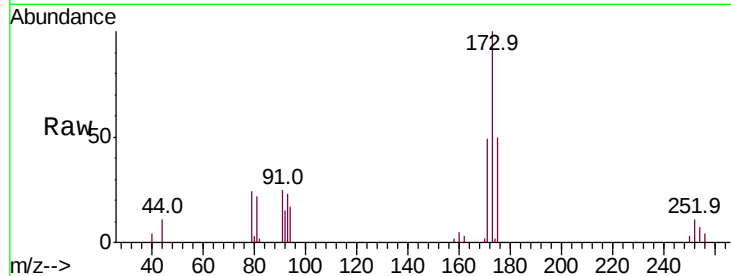
MSVOA_U

ClientSampleId :

VU0331WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	38.6	57.8
254	6.6	6.9	10.3

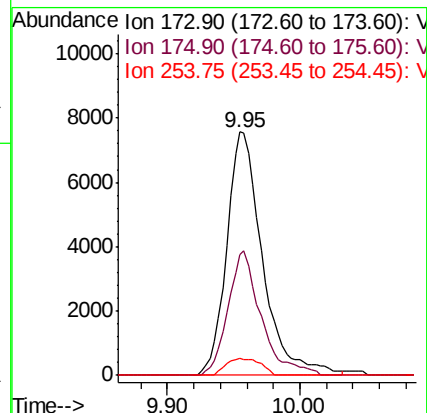
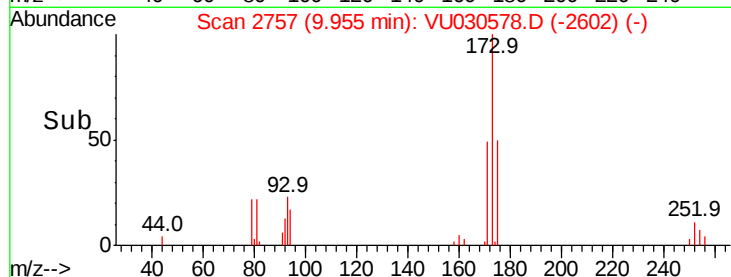
Manual Integrations
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Abundance Ion 172.90 (172.60 to 173.60): V

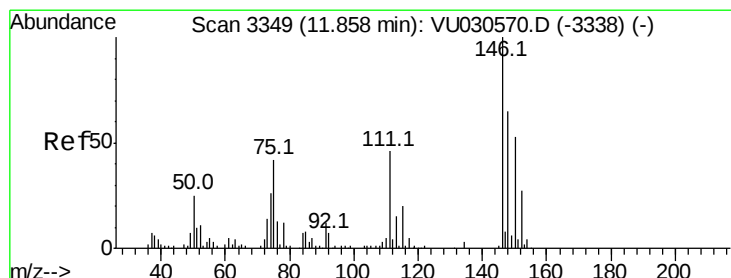
Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



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#68

1,2-Dichlorobenzene-d4

Concen: 2.107 ug/l

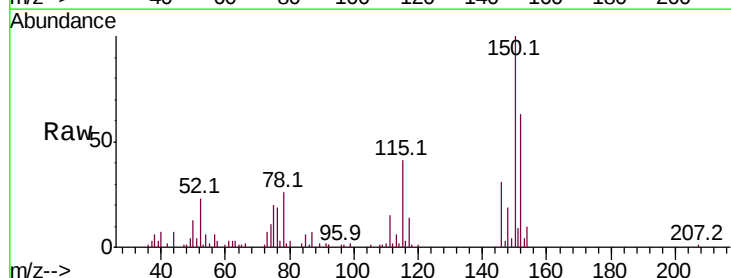
RT: 11.86 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VU030578.D

Acq: 30 Mar 2019 18:49

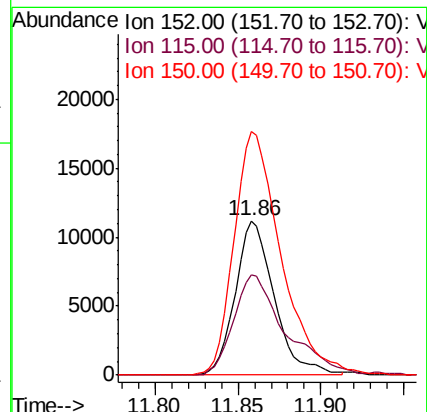
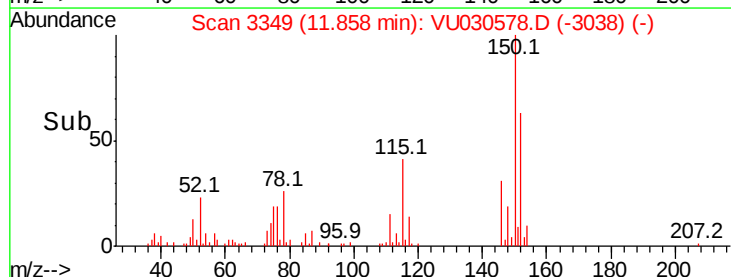
Tgt Ion	Ratio	Lower	Upper
152	100		
115	85.2	0.0	136.2
150	190.2	0.0	634.6

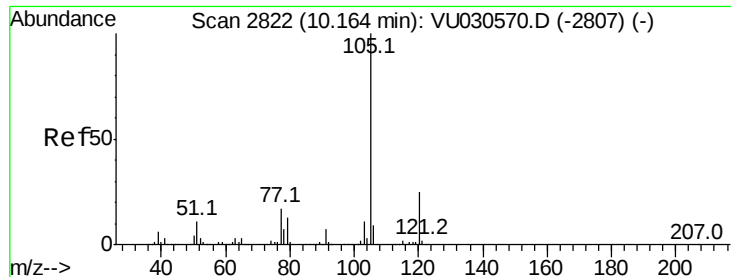


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.827 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030578.D

Acq: 30 Mar 2019 18:49

Instrument :

MSVOA_U

ClientSampleId :

VU0331WBS01

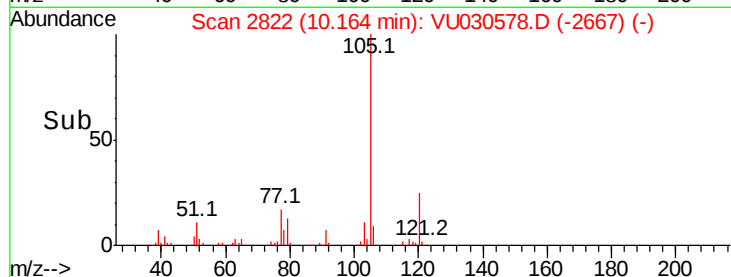
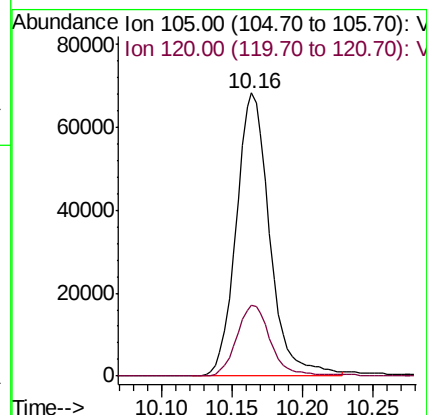
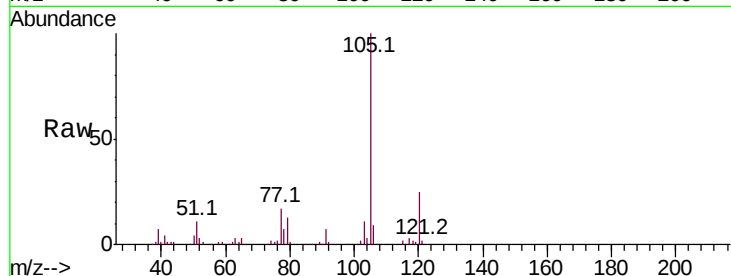
Tot Ion:105 Resp: 113704

Ion Ratio Lower Upper

105 100

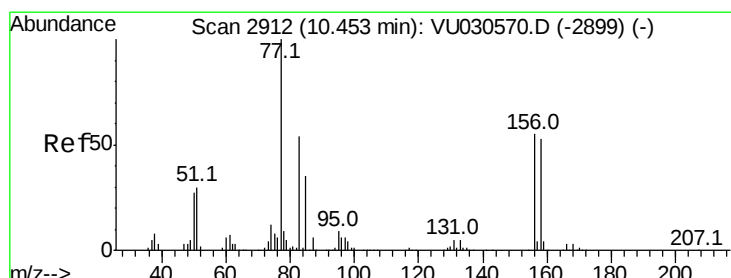
120 25.8 12.6 37.6

Manual Integrations
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#70

1,1,2,2-Tetrachloroethane

Concen: 2.051 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU030578.D

Acq: 30 Mar 2019 18:49

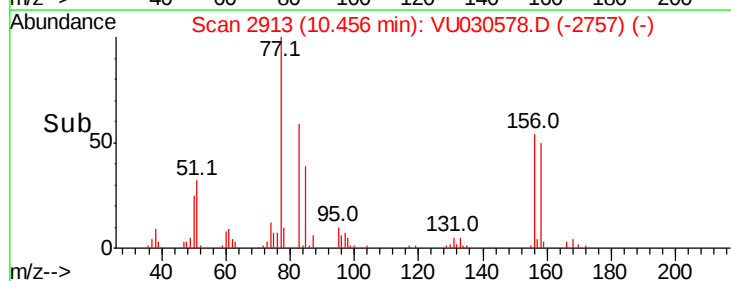
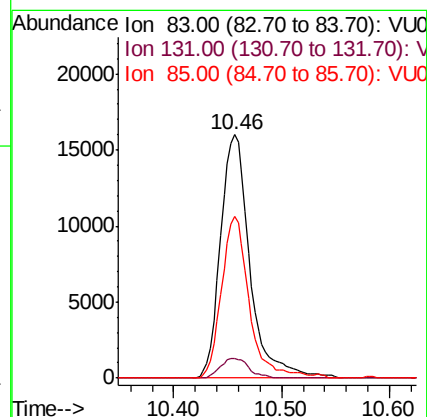
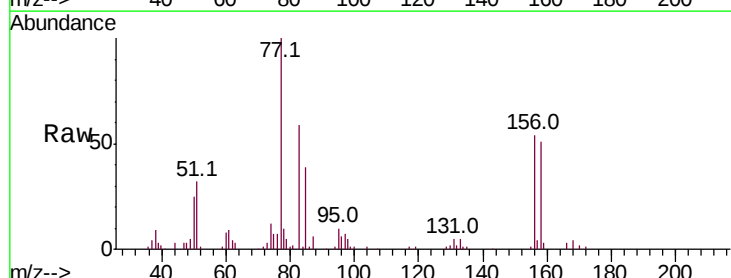
Tgt Ion: 83 Resp: 30405

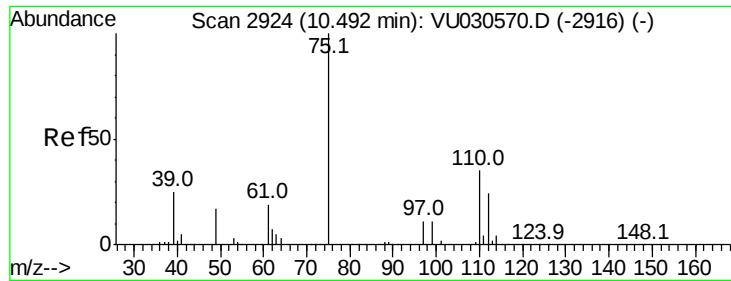
Ion Ratio Lower Upper

83 100

131 7.8 7.0 10.6

85 62.2 51.0 76.4



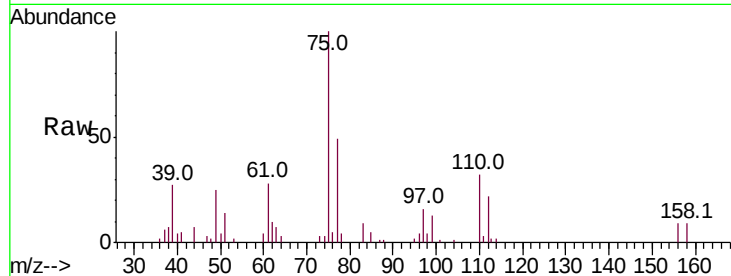


#71
 1,2,3-Trichloropropane
 Concen: 1.925 ug/l
 RT: 10.49 min Scan# 2925
 Delta R.T. 0.00 min
 Lab File: VU030578.D
 Acq: 30 Mar 2019 18:49

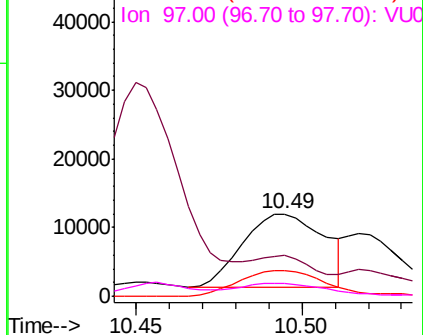
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0331WBS01

Tot Ion:	75	Resp:	18199
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0
110	38.6	0.0	83.8
97	19.5	0.0	42.8

Manual Integrations
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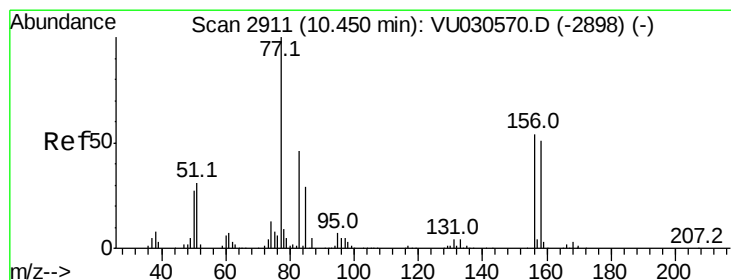
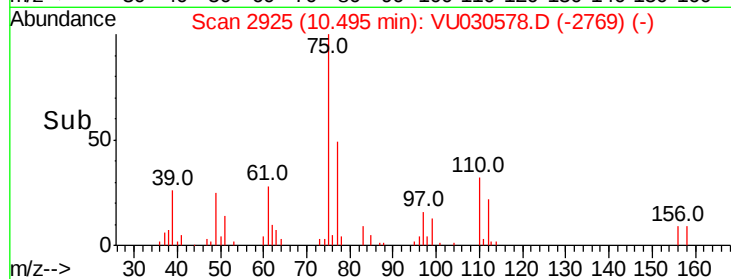


Abundance Ion 75.00 (74.70 to 75.70): VU030570.D (-2916) (-)
 Ion 77.00 (76.70 to 77.70): VU030570.D (-2916) (-)
 Ion 110.00 (109.70 to 110.70): VU030570.D (-2916) (-)
 Ion 97.00 (96.70 to 97.70): VU030570.D (-2916) (-)



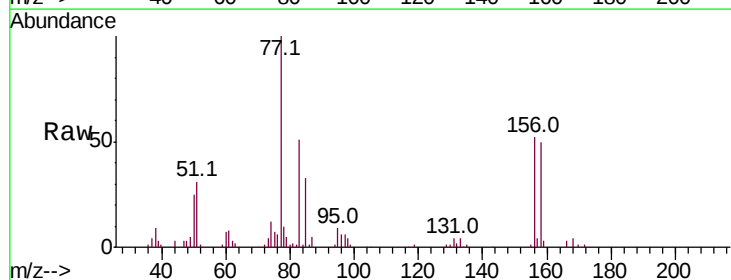
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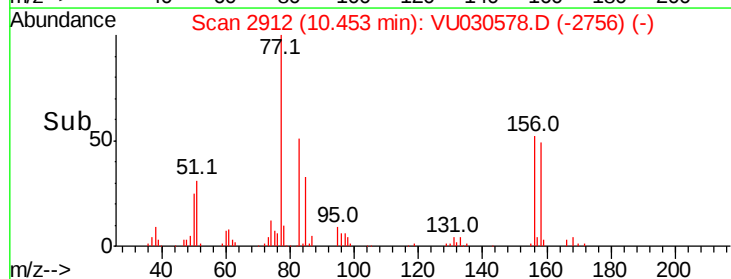
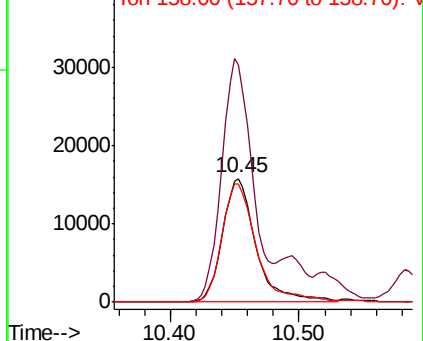


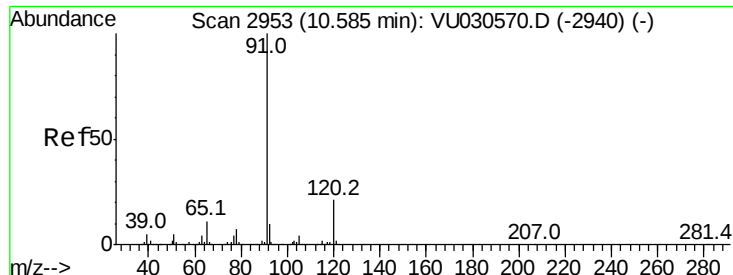
#72
 Bromobenzene
 Concen: 1.908 ug/l
 RT: 10.45 min Scan# 2912
 Delta R.T. 0.00 min
 Lab File: VU030578.D
 Acq: 30 Mar 2019 18:49

Tgt Ion:	156	Resp:	28487
Ion Ratio	Lower	Upper	
156	100		
77	178.6	0.0	363.0
158	98.3	0.0	193.2



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





#73

n-propylbenzene

Concen: 1.737 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU030578.D

Acq: 30 Mar 2019 18:49

Instrument :

MSVOA_U

ClientSampleId :

VU0331WBS01

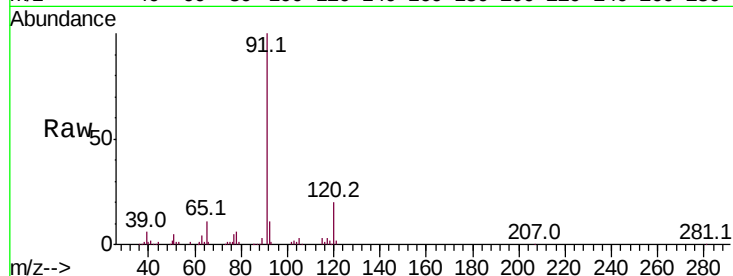
Tot Ion:120 Resp: 27703

Ion Ratio Lower Upper

120 100

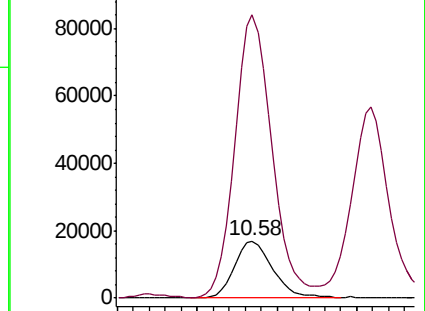
91 475.0 371.6 557.4

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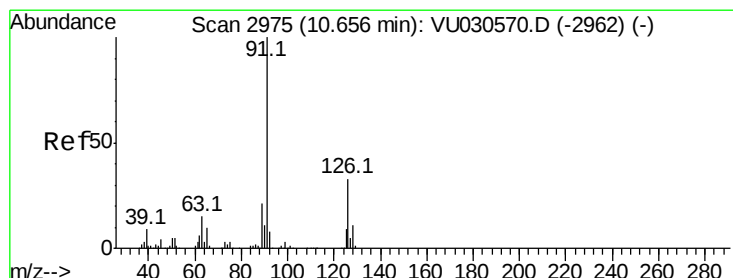
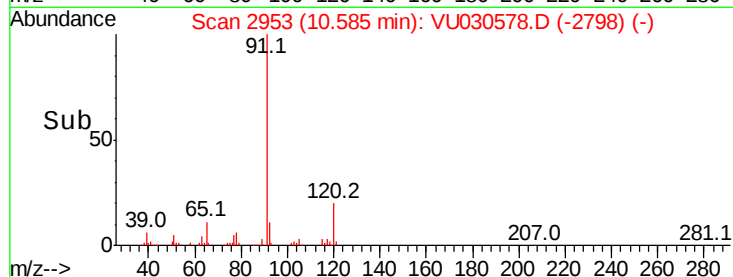
Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



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#74

2-Chlorotoluene

Concen: 1.988 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. -0.00 min

Lab File: VU030578.D

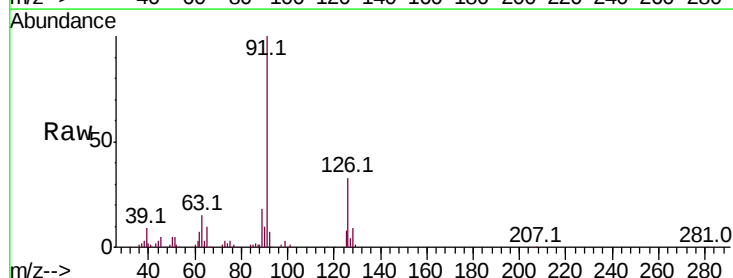
Acq: 30 Mar 2019 18:49

Tgt Ion:126 Resp: 29412

Ion Ratio Lower Upper

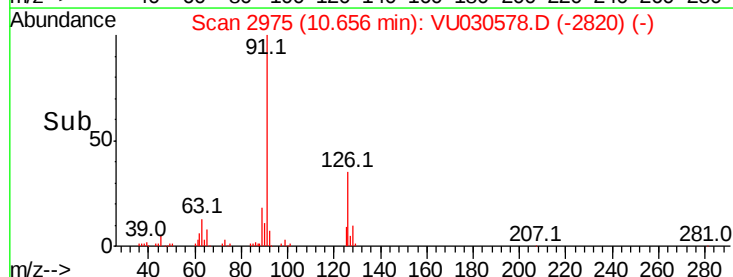
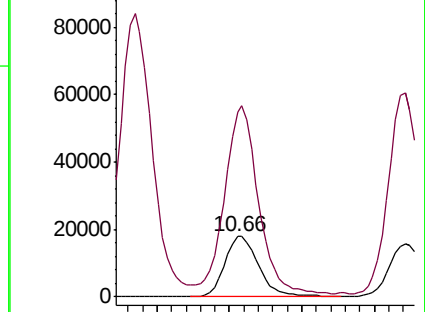
126 100

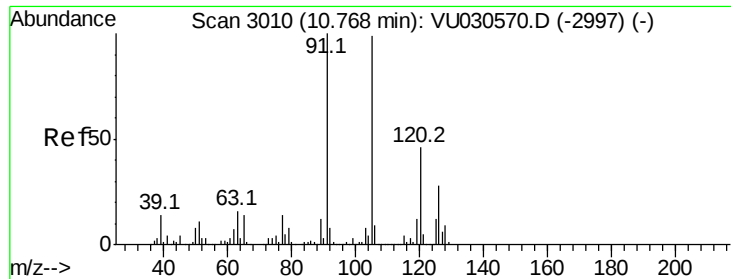
91 306.5 0.0 656.8



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: 1.844 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU030578.D

Acq: 30 Mar 2019 18:49

Instrument :

MSVOA_U

ClientSampleId :

VU0331WBS01

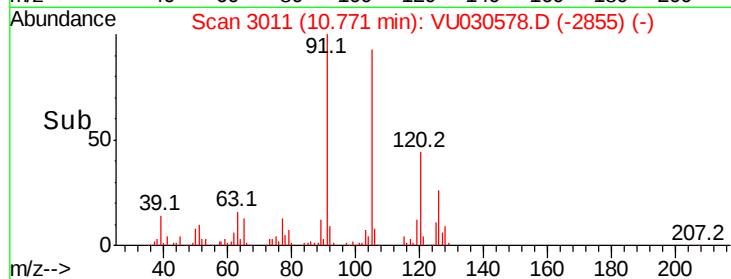
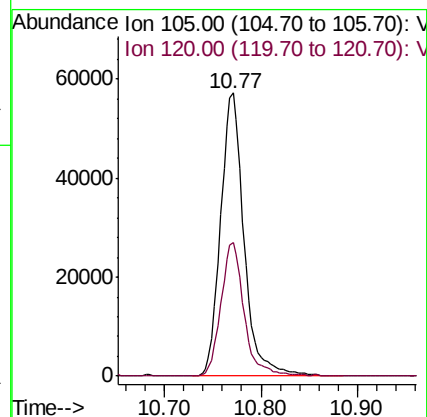
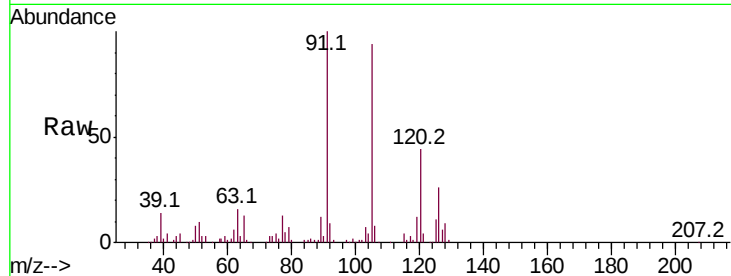
Tot Ion:105 Resp: 96466

Ion Ratio Lower Upper

105 100

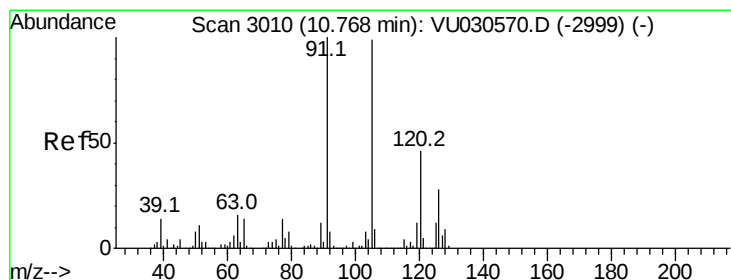
120 46.6 37.6 56.4

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#76

4-Chlorotoluene

Concen: 1.727 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU030578.D

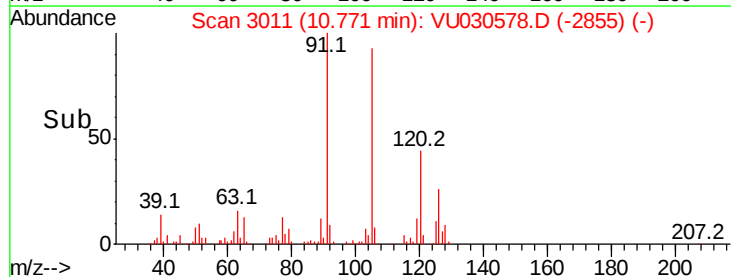
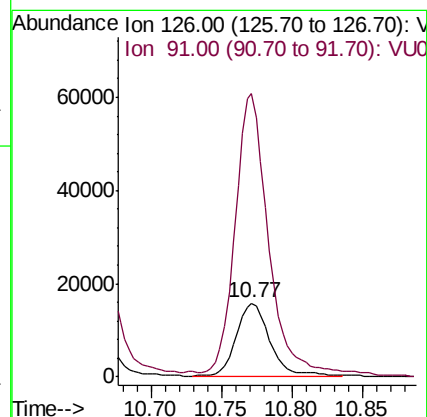
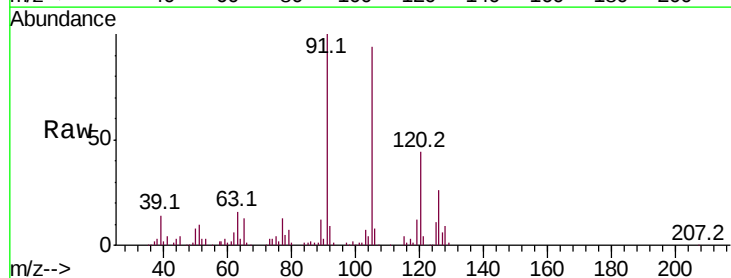
Acq: 30 Mar 2019 18:49

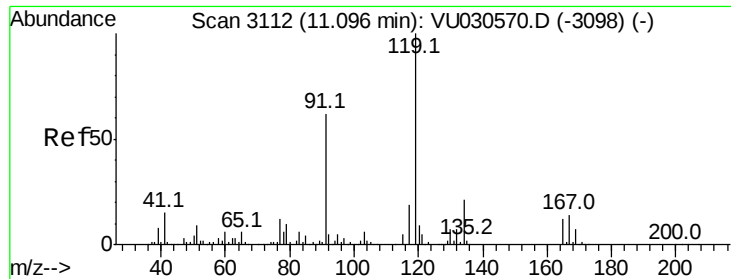
Tgt Ion:126 Resp: 25979

Ion Ratio Lower Upper

126 100

91 385.6 0.0 721.6



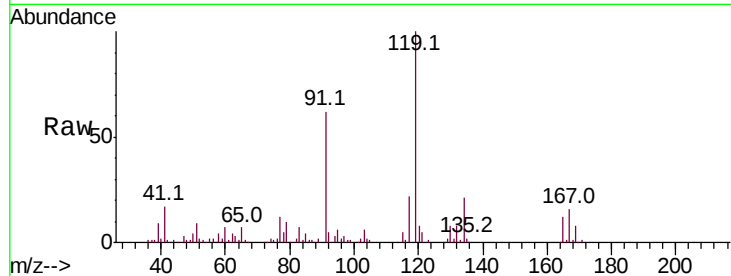


#77
tert-Butylbenzene
Concen: 1.823 ug/l
RT: 11.10 min Scan# 3112
Delta R.T. -0.00 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

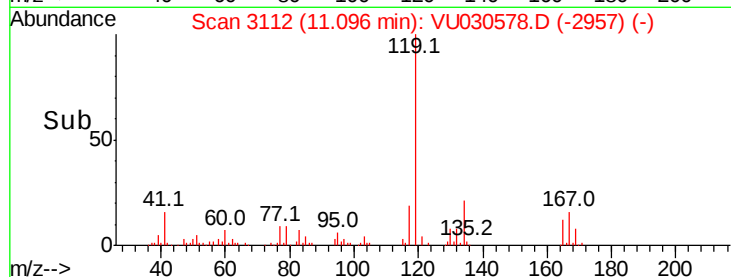
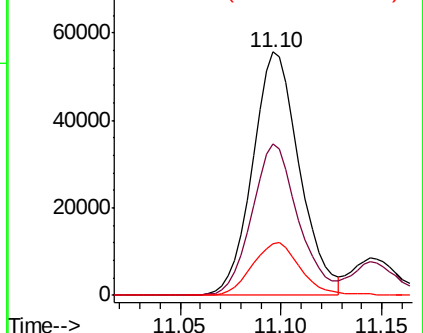
Instrument :
MSVOA_U
ClientSampleId :
VU0331WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.3	30.9	92.8
134	22.6	17.6	26.4

Manual Integrations
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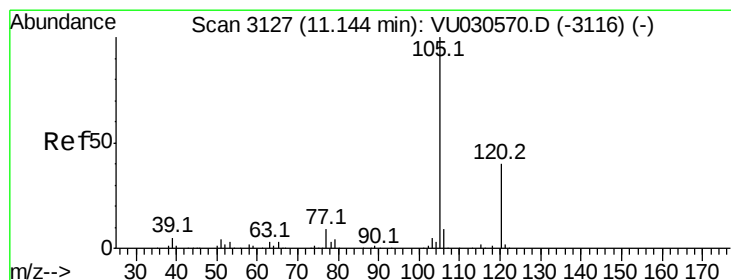


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



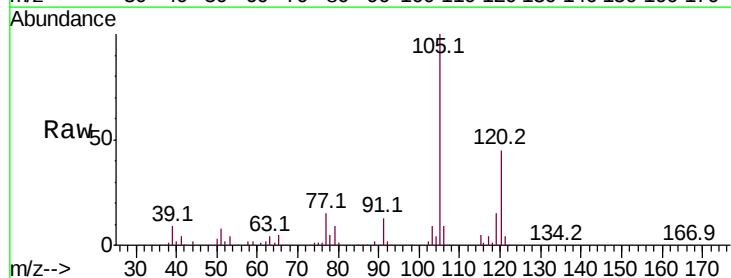
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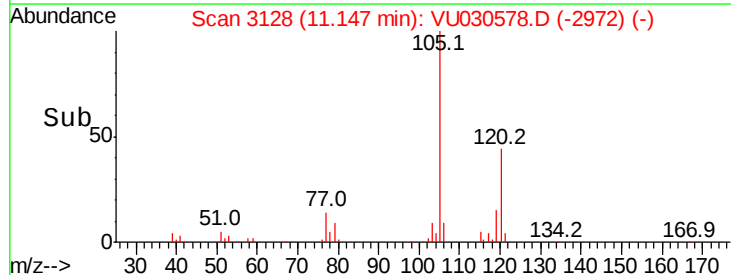
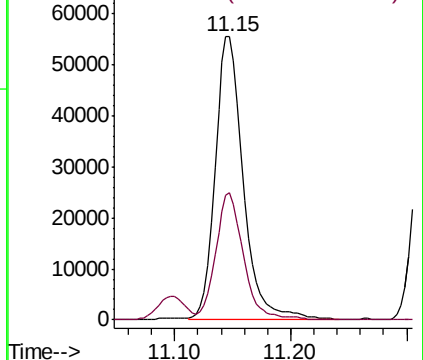


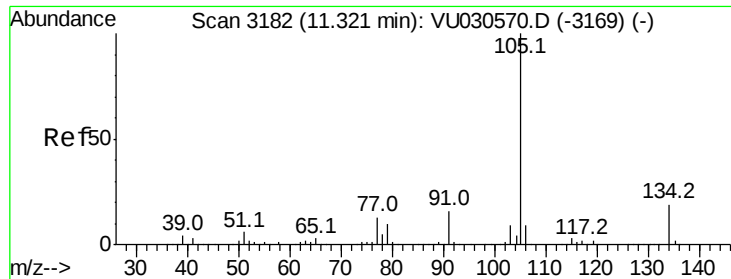
#78
1,2,4-Trimethylbenzene
Concen: 1.785 ug/l
RT: 11.15 min Scan# 3128
Delta R.T. 0.00 min
Lab File: VU030578.D
Acq: 30 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.6	22.1	66.5



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



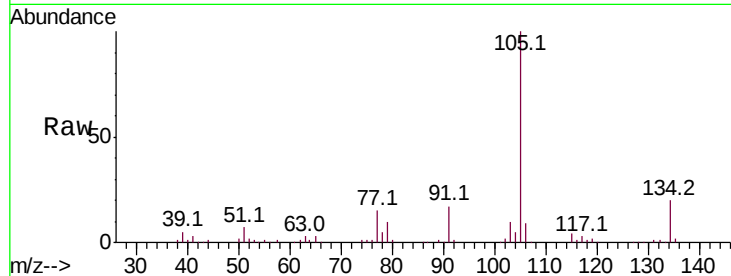


#79
 sec-Butylbenzene
 Concen: 1.801 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VU030578.D
 Acq: 30 Mar 2019 18:49

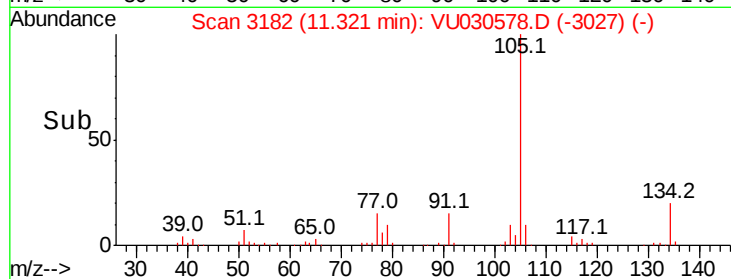
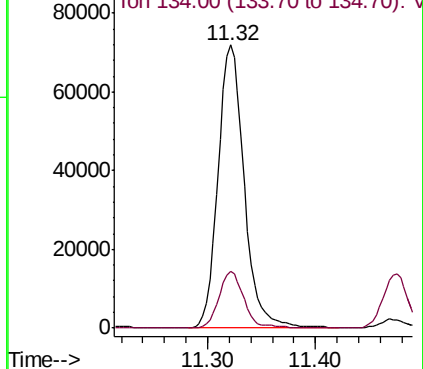
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0331WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	14.7	22.1

Manual Integrations
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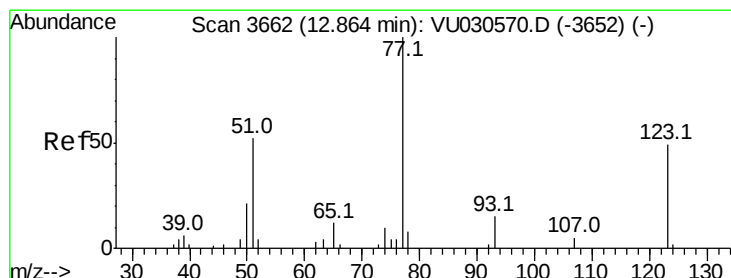


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V



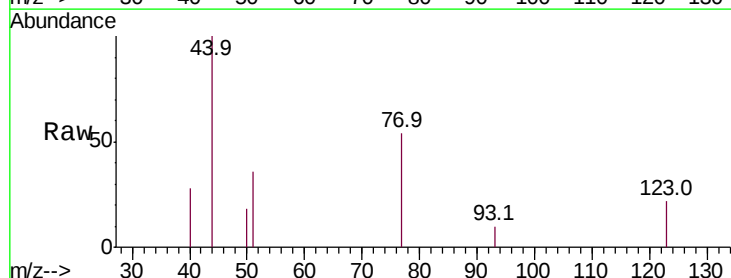
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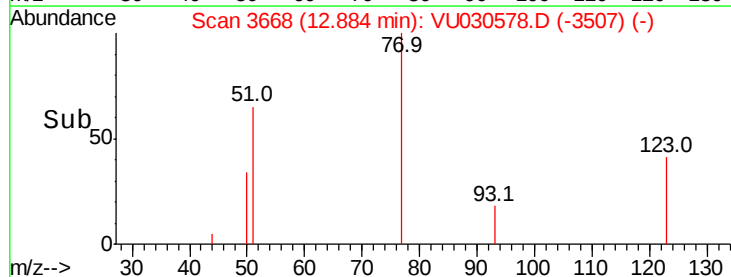
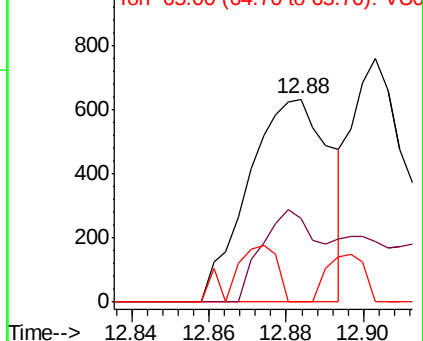


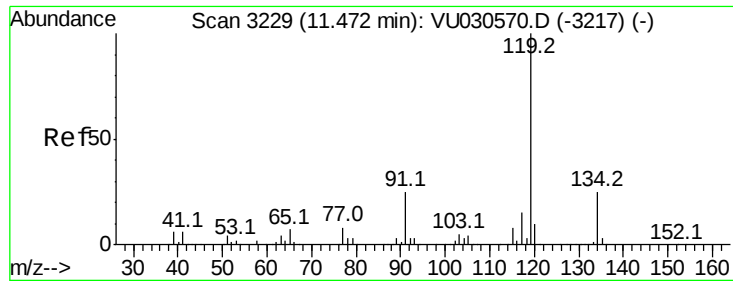
#80
 Nitrobenzene
 Concen: 4.665 ug/l
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.02 min
 Lab File: VU030578.D
 Acq: 30 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
77	100		
123	30.7	17.5	62.1
65	14.8	8.1	10.3



Abundance Ion 77.00 (76.70 to 77.70): VU0
 Ion 123.00 (122.70 to 123.70): V
 Ion 65.00 (64.70 to 65.70): VU0



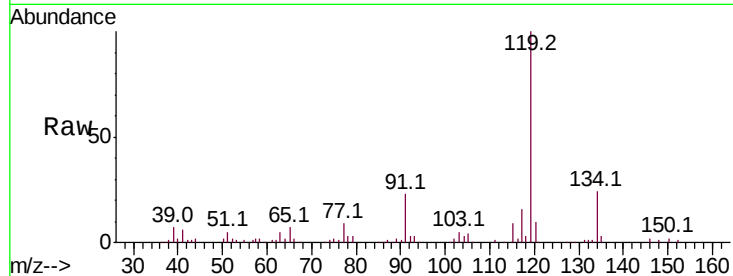


#81
 p-Isopropyltoluene
 Concen: 1.780 ug/l
 RT: 11.48 min Scan# 3230
 Delta R.T. 0.00 min
 Lab File: VU030578.D
 Acq: 30 Mar 2019 18:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0331WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	92073		
134	24.1		20.6	31.0
91	23.0		20.4	30.6

Manual Integrations
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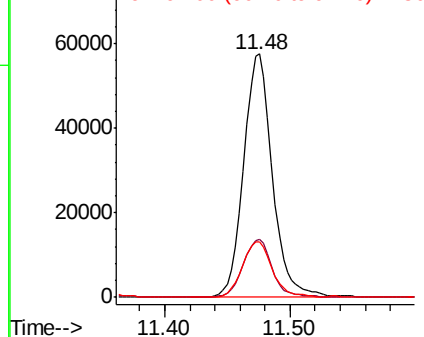


Abundance

Ion 119.00 (118.70 to 119.70): V

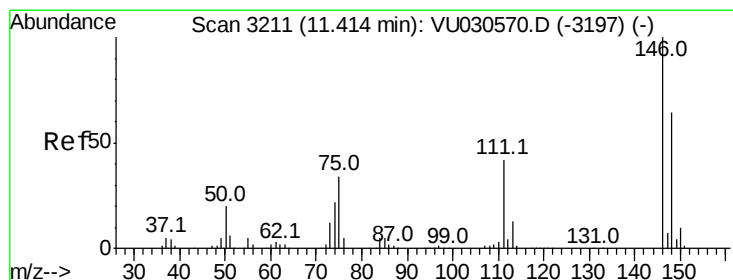
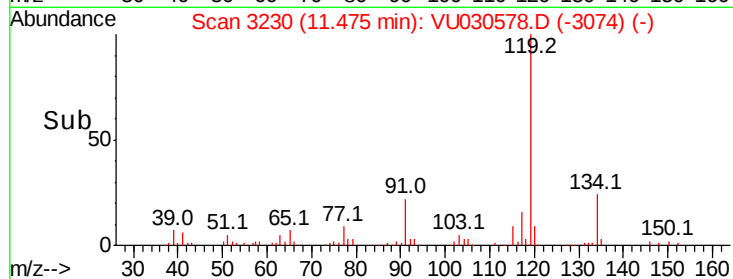
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



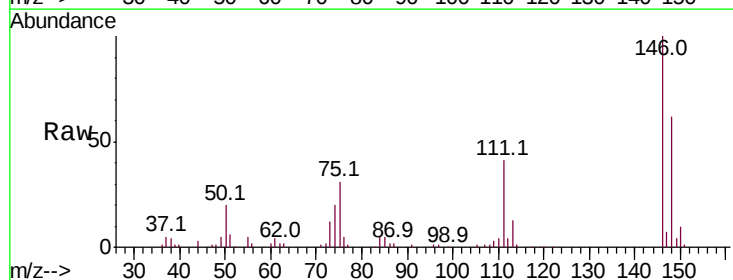
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#82
 1,3-Dichlorobenzene
 Concen: 1.921 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU030578.D
 Acq: 30 Mar 2019 18:49

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	57317		
111	41.6		34.0	51.0
148	63.4		51.0	76.6

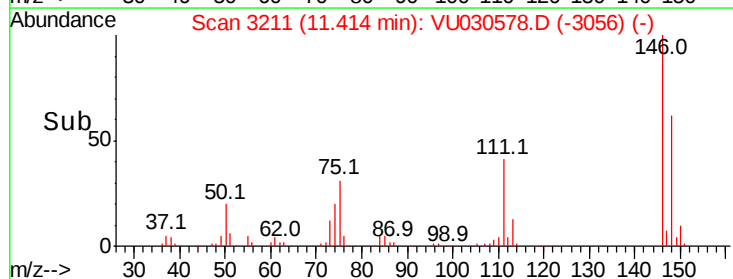
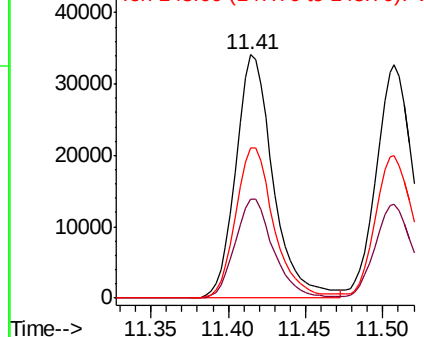


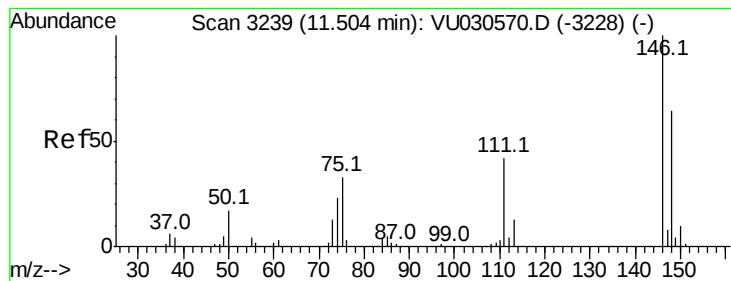
Abundance

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: 1.878 ug/l

RT: 11.51 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU030578.D

Acq: 30 Mar 2019 18:49

Instrument :

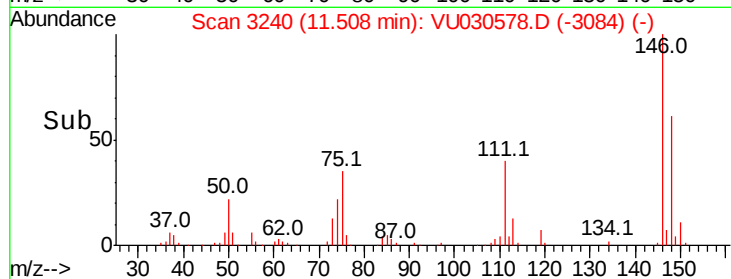
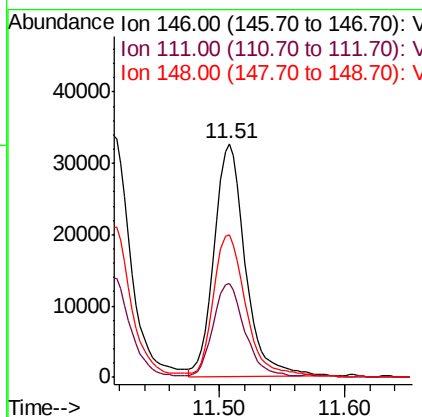
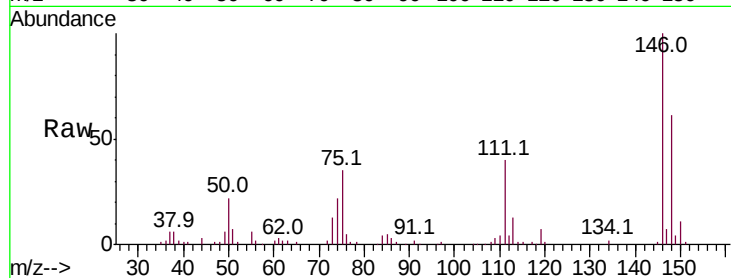
MSVOA_U

ClientSampleId :

VU0331WBS01

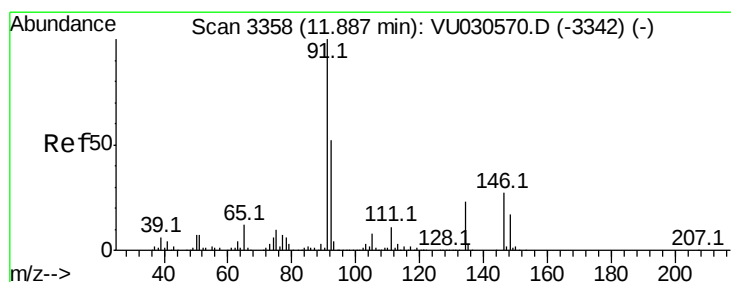
Tot Ion:	146	Resp:	56171
Ion	Ratio	Lower	Upper
146	100		
111	41.5	32.8	49.2
148	64.4	50.5	75.7

Manual Integrations
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#84

n-Butylbenzene

Concen: 1.654 ug/l

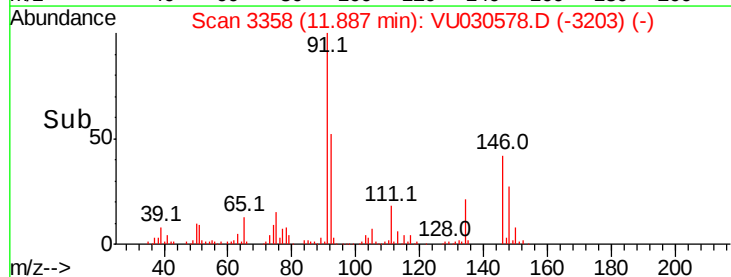
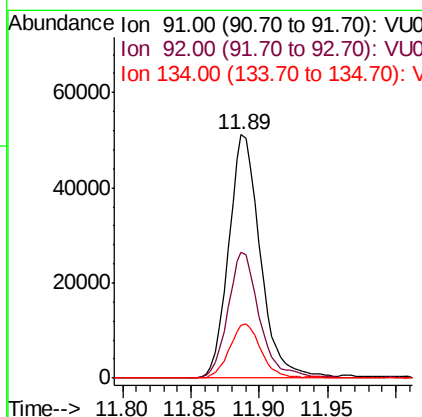
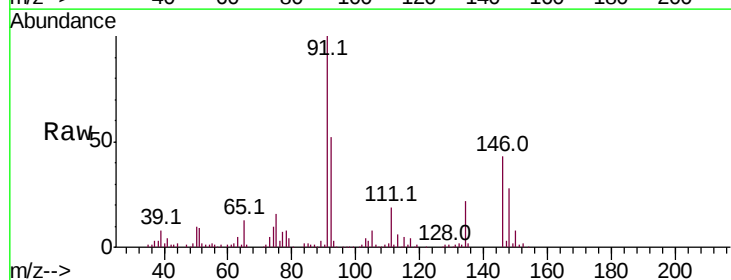
RT: 11.89 min Scan# 3358

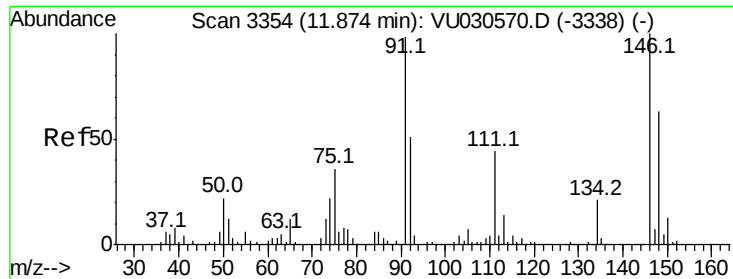
Delta R.T. -0.00 min

Lab File: VU030578.D

Acq: 30 Mar 2019 18:49

Tgt Ion:	91	Resp:	82755
Ion	Ratio	Lower	Upper
91	100		
92	51.6	41.7	62.5
134	21.8	18.3	27.5



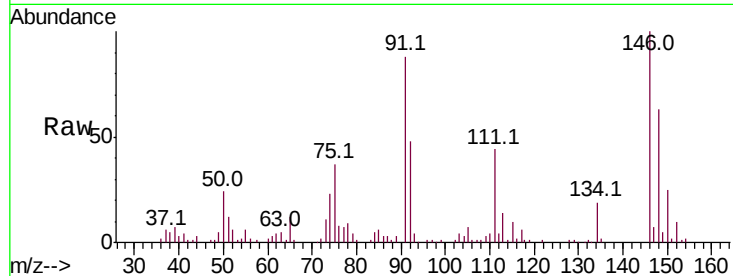


#85
 1,2-Dichlorobenzene
 Concen: 1.938 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030578.D
 Acq: 30 Mar 2019 18:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0331WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.9	65.5
148	63.5	31.5	94.5

Manual Integrations
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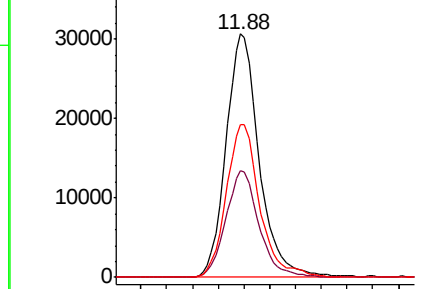


Abundance

Ion 146.00 (145.70 to 146.70): V

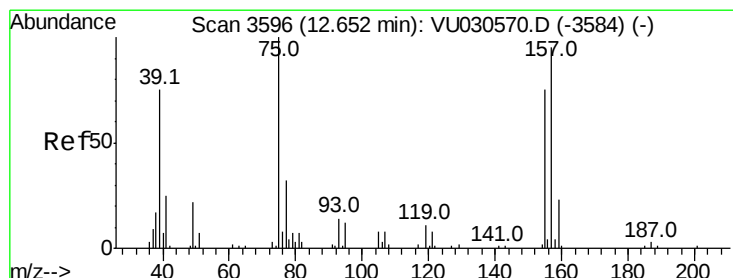
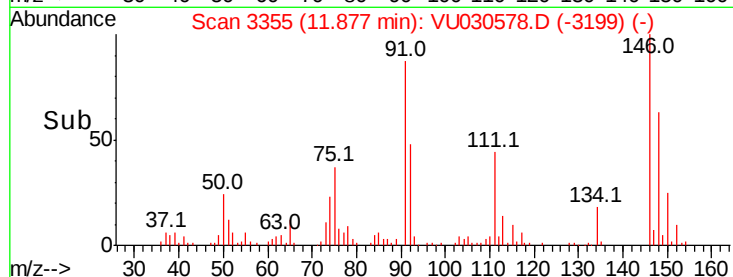
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



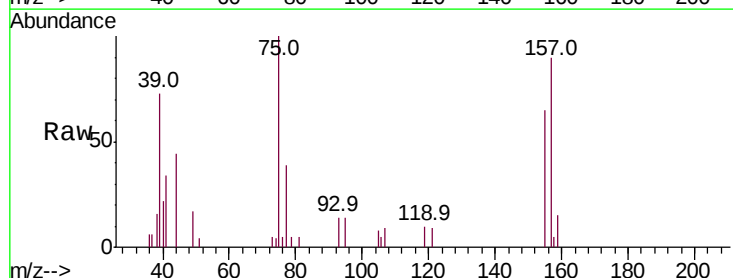
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.965 ug/l
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU030578.D
 Acq: 30 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.8	59.7	89.5
157	91.2	73.7	110.5

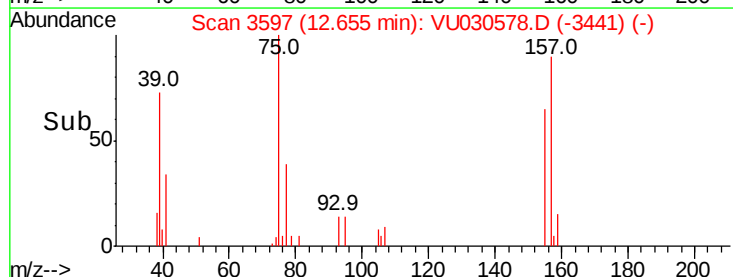
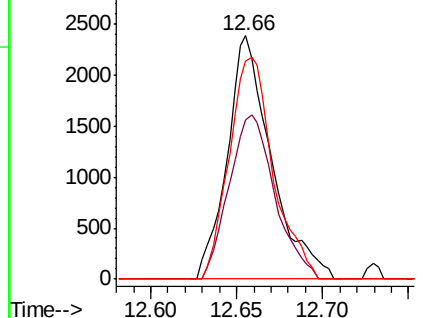


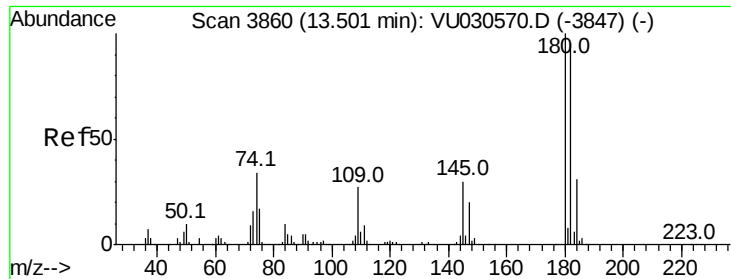
Abundance

Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



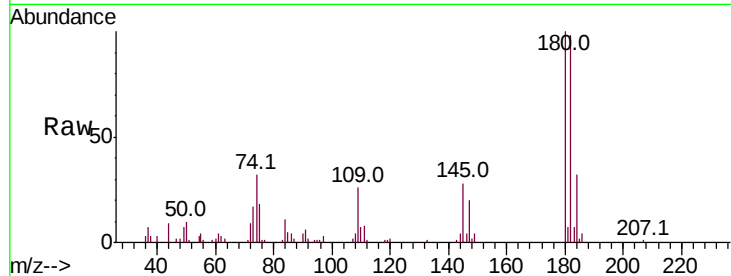


#87
 1,2,4-Trichlorobenzene
 Concen: 1.677 ug/l
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.00 min
 Lab File: VU030578.D
 Acq: 30 Mar 2019 18:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0331WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.7	76.0	114.0
145	31.0	24.3	36.5

Manual Integrations
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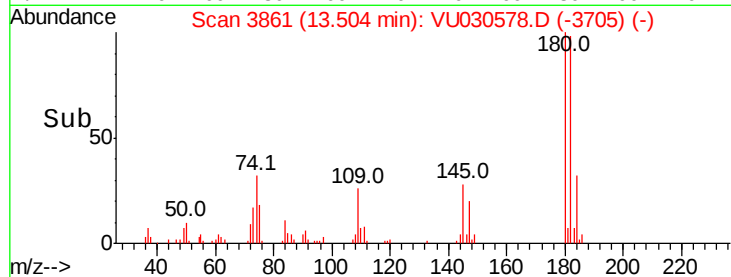
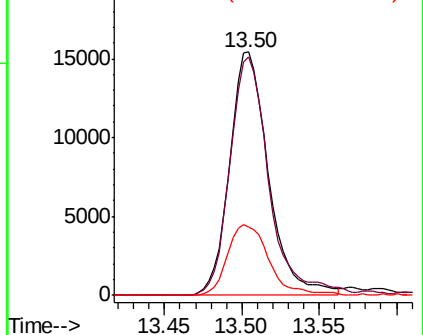


Abundance

Ion 179.70 (179.40 to 180.40): V

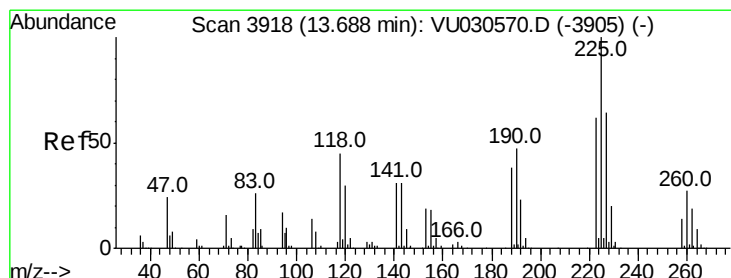
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



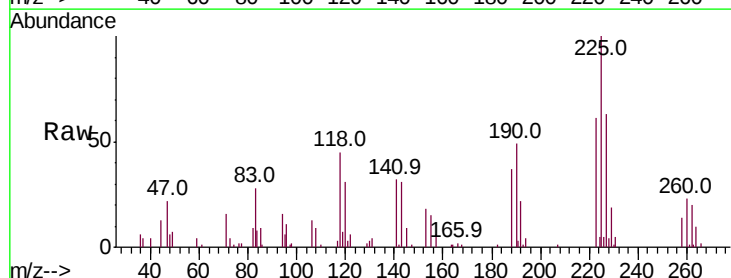
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#88
 Hexachlorobutadiene
 Concen: 1.765 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. -0.00 min
 Lab File: VU030578.D
 Acq: 30 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.7	50.7	76.1
227	68.3	50.8	76.2

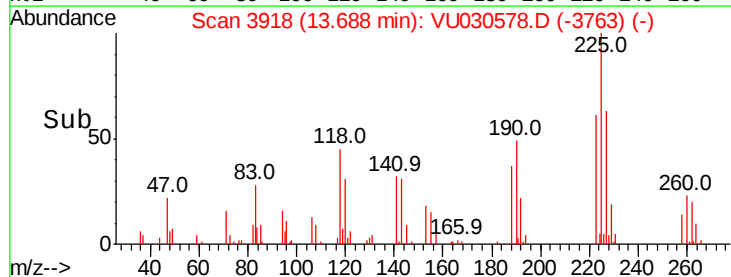
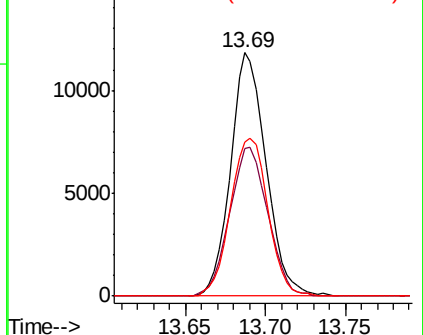


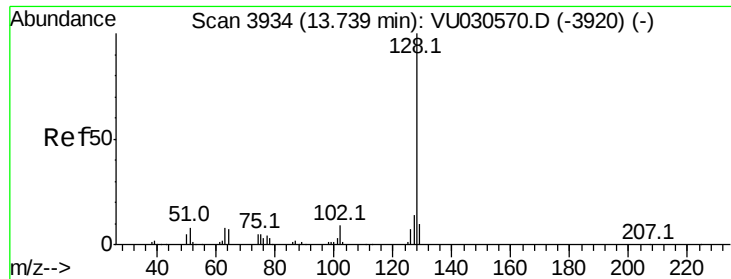
Abundance

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: 1.376 ug/l

RT: 13.75 min Scan# 3936

Delta R.T. 0.01 min

Lab File: VU030578.D

Acq: 30 Mar 2019 18:49

Instrument :

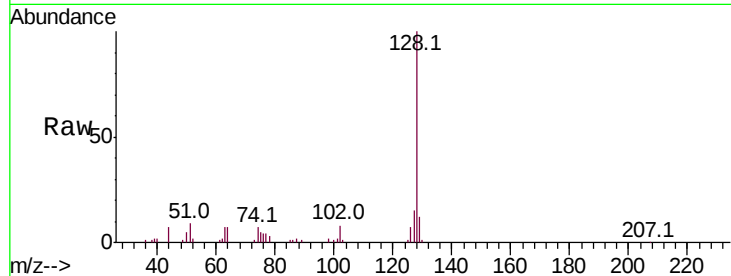
MSVOA_U

ClientSampleId :

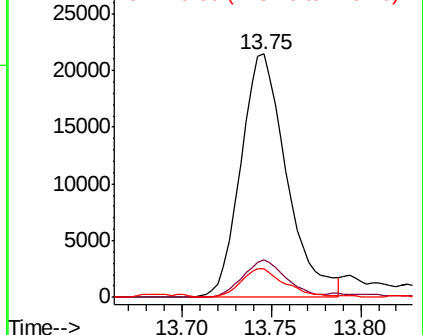
VU0331WBS01

Tot Ion:	128	Resp:	38522
Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.4	15.6
129	11.4	7.8	11.8

Manual Integrations
APPROVED

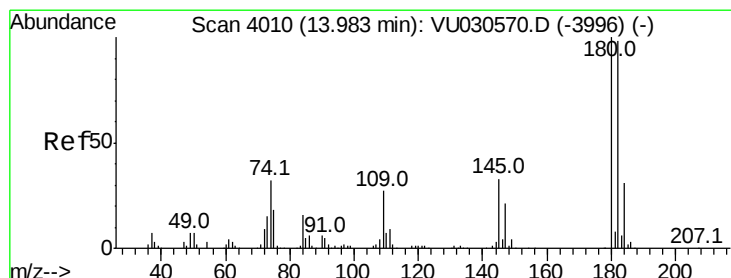
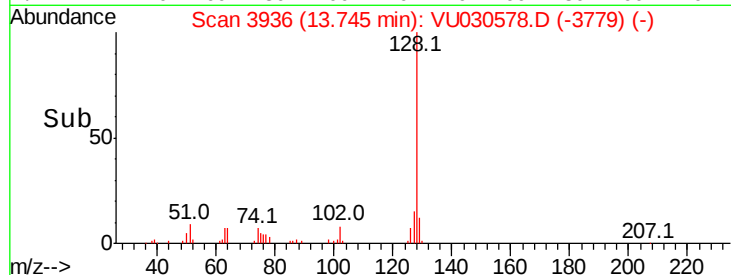


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



MMDadoda

4/5/2019 2:38:58 PM



#90

1,2,3-Trichlorobenzene

Concen: 1.660 ug/l

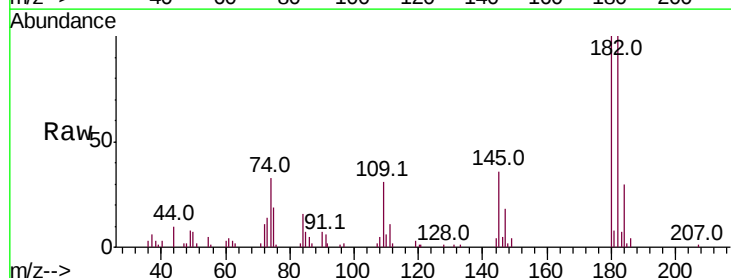
RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU030578.D

Acq: 30 Mar 2019 18:49

Tgt Ion:	180	Resp:	25253
Ion	Ratio	Lower	Upper
180	100		
182	102.1	76.6	114.8
145	33.9	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

